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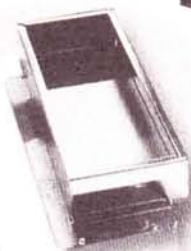
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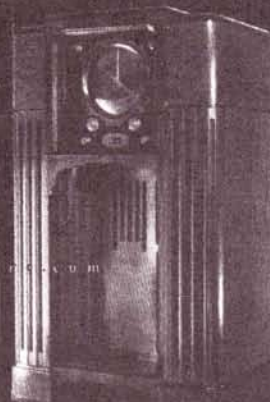
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Barry Goldwater, K7UGA (SK)	1972 - 1973
Frank A. Gunther, W2ALS (SK)	1974 - 1977
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Gus Girona, W2JE (SK)	1965 - 1973
Ethel Smith, K4LMB (SK)	1974 - 1976
Ted Heithecker, W5EJ (SK)	1976 - 1991

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The Quarter Century Wireless Association

The Quarter Century Wireless Association, Inc. was founded December 5, 1947, as a non-commercial association of radio amateurs organized for the promotion of interest in Amateur Radio communication and experimentation, for the establishment and advancement of the radio art and of the public welfare.

QCWA is an incorporated association without capital stock chartered under the laws of the State of New York, and is a tax exempt 501(C)3 organization under the Internal Revenue Code of 1986.

Its affairs are governed by a President, Vice President, Secretary, Treasurer and a Board of Directors, whose voting members are elected every two years by the general membership.

In order to qualify for membership in QCWA one must have demonstrable proof of having been first licensed as an Amateur Radio operator at least 25 years prior to application for membership and must be currently licensed.

Membership inquiries and general correspondence should be addressed to the business office at 159 E. 16th Ave., Eugene, OR 97401-4017 USA. Telephone, 541-683-0987. Fax, 541-683-4181.

From the President

Gary R. Harrison, KØBC



By the time you read this, the QCWA Board of Director's election is over. We had a little more trouble in getting the ballots out to the members than anyone would prefer. An error in printing the candidate's names on the ballot caused us to send a second ballot to most members. Some of the original ballots (white paper) were not mailed by the mailing service before we discovered the error. If you were lucky you only received the second (yellow paper) ballot. We got the second mailing in the mail as soon as we could and the correct ballot should have been about a week later to most members. I am sorry that some may have mailed the wrong (white paper) ballot in before they knew the candidate list was incorrect. Headquarters as well as the QCWA Board and Officers are sorry that this happened and I apologize for the inconvenience this may have caused.

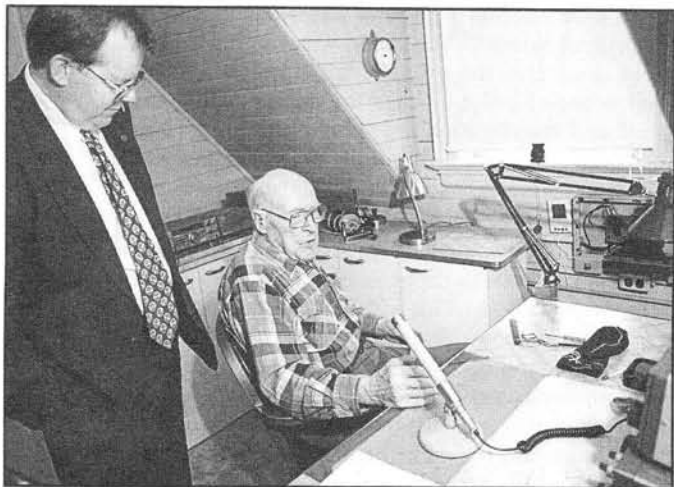
For those members that subscribe to the qcwa list, the word was spread before most received the wrong ballots. This is the fastest method we have of sending out news and information. A warning was posted to the list (email reflector) as soon as we found the error. This is an excellent method of staying in touch with current events concerning QCWA. It would certainly be great if at least one member per Chapter would subscribe to the list and then pass along the information to others that do not have email capability or don't want to participate. You can join us and pass along your information and news by visiting the QCWA homepage and following the instructions. Another method is to send a message to majordomo@qth.net and in the message area put "subscribe qcwa" without the quotation marks. Just leave the subject line blank and then follow the instructions that you will receive later by email. If each chapter would send headquarters a message letting us know you have a member subscribed to the list we can at least have some idea who could receive the email alerts. Members not in a chapter can also participate in area events as well as get the news from the list also.

June has been an "exciting time" here! I have had the hard drive fail in my desktop PC and spent some time recovering from that and then I got a lightning hit that seems to have finished off the rest of the PC as well as the new hard drive. This lightning event also destroyed my HF rig, amplifier, quad antenna, rotator, fax machine, four phones and the surge protector on my power line entrance. The surge protector literally gave it's all in attempting to protect my house and equipment. I foolishly thought that I was reasonably safe in that the antennas were all disconnected at the time and I had surge protection on the power line (three units!). At least during June I had some fun attending the Ham-Com hamfest in Dallas. It was a little damp at times but was nice to meet the people there. I am now looking forward to the QSO party and the QCWA Convention in Toronto. See you in Toronto!

Dewey Wilson W7HF

QCWA 85 -Year Certificate No. 1

The Journal wishes to thank The Daily World newspaper that serves Grays Harbor and northern Pacific counties in Southwest Washington. We especially thank Ted Dixon - Publisher, Kevin Hong - Photographer, and Tommi R. Gatlin - Writer, without whose assistance and cooperation we could not have prepared the tribute to Dewey Wilson in a timely and efficient manner. The Daily World is the only daily newspaper on the coast of Washington



Dewey Wilson W7HF shows off his station to Bob Maxfield, president of the Grays Harbor Amateur Radio Club (also Aberdeen's police chief), after Dewey had received the Spirit of Amateur Radio award on September 15, 1999. Photo by Kevin Hong - The Daily World.

A milestone in the 53-year history of the QCWA was reached in April 2000 when Dewey Wilson W7HF was awarded the 85-year Certificate Number 1.

Dewey was an amateur radio operator most of his long life and one might add, almost all of every other amateur radio operators' lives.

He was born in Aberdeen Washington on November 1, 1897 lived most of his life in the home that his parents built. He graduated from Weatherwax High School in 1914 then from the University of Washington College of Forestry in 1922.

Dewey became interested in amateur radio in 1909 after his cousin, who had recently been discharged from the Navy, told him how Navy ships talked to one another without wires. His interest in the phenomenon was reinforced when the Navy built a relay station on a hill near his home and he could hear the noise

of the spark while the station was in operation. Often, he would go out and gaze at the site.

After he reached the 7th grade, he was required to take a course in shop work. He saw that the advanced students were winding coils with green wire and that was all it took to lead him into the amateur radio hobby. Before long, he was in touch with lumber schooners, talking to the operators.

When he got into high school around 1912, he was communicating with local hams using AC doorbells with the bells removed. The antenna was attached to one side of the contacts and the ground to the other side.

Soon he was making his own spark coils and transformers. As he recalls, during the fall of 1912, he read in Modern Electronics, an early ham publication, that amateurs were required to have a license. So he wrote in and requested a license and received 7GW which he held until he graduated from high school in 1916. He was off the air briefly due to World War I but soon was back at it.

Dewey was always proud of the fact that he got his ham license early. As a matter-of-fact, he is listed in the very first callbook issued by the US Government.

His amateur radio career was sporadic until around 1932. Dewey was busy with further schooling and military service. Despite his degree in Forestry, he ended up being a bookkeeper. Although he maintained his interest in ham radio, he was unable to participate as actively as he would have liked since he could never find a suitable location for his antennas.

But when Dewey got active again, he didn't stop to look back. 68 years later he was still tapping away when he received his 85-year award. At the time of his award, he was 103 years old. Up until the previous year, he still drove to his summer home on Hood Canal.

Dewey Wilson has been a member of the QCWA since 1952. He was a longtime member of the Gray's Harbor Amateur Radio Club and was Historian for QCWA Northwest Chapter 4 in Seattle Washington for over twenty years.

101-year-old Harbor ham honored by national magazine

(Reprinted with permission of The Daily World - Ted Dixon, Publisher)

Dewey Wilson of Aberdeen, 102 years old on Nov. 1 and an amateur radio operator for 86 years, is tuned in to the new millennium. World Radio Magazine says he is an amazing ambassador for the hobby.

In conjunction with National Amateur Radio Awareness Day this Saturday, the magazine issued *Certificate No. 1* celebrating the "Spirit of Amateur Radio" to Wilson, whose call sign is W7HF.

The lifelong Aberdonian (a descendant of a pioneer lumber mill family) is saluted "for representing the finest traits of amateur radio - goodwill, friendship, promoting and supporting the hobby ... to people around the world."

"Dewey embodies the spirit of amateur radio by his continuing presence on the bands for more than 86 years," said Grays Harbor Amateur Radio Club President Bob Maxfield, (W7LEO), Aberdeen's police chief. Maxfield visited Wilson's home to make the presentation.

Even with America's fascination with the Internet, cell phones and other technologies, amateur radio participation continues to grow, according to the magazine, which reaches 650,000 amateur radio enthusiasts.

"Amateur Radio Awareness Day recognizes a communications service that continues to keep pace with today's emerging technologies," the editors wrote.

Wilson and a handful of other amateur radio pioneers once operated with the most rudimentary gear, progressing to rotary spark gap machines in the 1930s. Today, he uses a modern Kenwood TSS-440S transceiver. Today's amateurs - young, old and in between - are building their own satellites and experimenting with digital communications. And the 280 amateurs on Grays Harbor are no exception, according to Maxfield. Local

amateurs are experimenting with and learning about global positioning technologies and phase shift keying software for digital radio communications.

As a public safety manager, Maxfield notes that one of the most traditional activities for amateur radio operators is to serve their communities in times of disaster. Amateur radio operators this week were gearing up Emergency Operations Centers along the Eastern Seaboard, preparing for Hurricane Floyd.

On the Harbor, the American Red Cross and radio operators will participate in a digital communications drill on Sunday, Sept. 19, to prepare for emergency communications should they be needed in the event of an earthquake or other emergency. Preparation for potential Y2K emergencies is also ongoing.

Maxfield says amateur radio enthusiasts come from all walks of life. Throughout the year, Grays Harbor Amateur Radio Club member-operators coordinate communications for local marathons, bike races and parades. Some show local students how they can make new friends in faraway places or help them discover an interest in a future technical career.

There are more than 2.5 million amateur radio operators worldwide, including astronauts, musicians, scientists, teachers and everyday people like Wilson, who was a bookkeeper at his family's lumber mill in East Aberdeen.

Information on how to become involved in amateur radio is available by attending a Grays Harbor Amateur Radio Club meeting.

Club members meet at 7 p.m. on the first Thursday of each month at the Hoquiam Timberland Library.

- Published on September 17, 1999 in The Daily World

Dewey Wilson W7HF - Silent Key

As the Journal was preparing this special issue in honor of Dewey Wilson W7HF, we were notified that he became a silent key on July 11, 2000. Mr. Wilson passed away at the Pacific Care Center in Hoquiam Washington. He had been in relatively good health and only recently had been moved to the care facility.

EIGHTY YEARS

Charles "Con" Concannon, K4RQ



Charles "Con" Concannon, K4RQ, receives his 80th anniversary award

Charles "Con" Concannon, K4RQ, recently received the QCWA 80th anniversary award, presented by Lew Bradley, W4SWP, President of Vic Clark Chapter 91. His was only the ninth such award granted by QCWA. It is with great pleasure that we acknowledge Con's distinguished careers in radio broadcasting and naval communications, careers spawned in part by his early experiences as an amateur radio operator.

Thirteen-year-old Con was introduced to ham radio in 1919 when he visited the home of a school chum whose brother had an amateur radio station. Soon after, Con and another friend had built crystal receivers and spark-gap transmitters and were communicating with each other across their Richmond CA neighborhood. A year later, Con made the trip to San Francisco to the Customs House and presented himself at the Radio Inspector's office to take his licensing exam. He soon received a letter from the office secretary saying, "Your license is in the mail and your new call is 6RQ." The "RQ" suffix has followed him around ever since: W6RQ/KH6, KZ5RQ, W6RQ/4, and finally K4RQ.

Con's station in 1920 was a receiver he built around an Audion tube, and a transmitter he built around a 3/4-kW Thordarson transformer and rotary spark gap purchased with some help from his dad. (He still has that Audion tube: it's a glass cylinder about four inches long and three-quarters inches wide, with two wires coming out one end and three out the other; the grid is a coil of copper wire.) Con also put a station on the air for Richmond High School and another for the California High School Cadets, a group consisting of four companies and a marching band.

He soon took his love of radio and his operating skills to sea as a ship's radio officer. The father of a friend was the Marine Superintendent for Standard Oil tankers operating out of its Richmond dock. Con loved to visit the dock after school and began

spending his weekends during high school aboard the harbor tugs. "I had carte blanche out there; no other kid ever had an opportunity to do such things."

In 1922, he obtained his First Class Radiotelegraph Operator's certificate, and in 1925 he applied for a summer job as a radio operator aboard one of Standard Oil's tankers. "I was 18 when I got a job as a ship's radio operator on the tanker Colonel E. L. Drake, call sign WTS. That summer, we made a couple of trips to Honolulu and to docks up and down the Pacific coast."

Con returned to finish high school that fall and in the next year enrolled in an engineering school with the objective of becoming an engineer for Standard Oil. Every summer, 1925 through 1929, Con signed on as the "radio officer" for some shipping company. He tells some wonderful stories about his experiences aboard those ships.

In 1929, Con joined KYA in San Francisco as an announcer and disk jockey. A series of jobs in broadcasting followed: He was a studio and transmitter engineer at KJA Spokane and KJR Seattle; an announcer and studio engineer at KJBS San Francisco; and a studio engineer at KFRC San Francisco. While at KFRC, he worked with producer Pat Weaver, who later became the CEO of NBC; Mark Goodson, who later produced such radio shows as *The Price is Right* and *What's My Line*; and Ralph Edwards, who later hosted *Truth or Consequences* and other famous shows.

Con stayed with KFRC until 1940 when he volunteered for active duty in the Navy. His assignments included: communications officer at Mare Island shipyard, Vallejo CA; and at navy communication stations (navcomsta) in New York, San Francisco, and Honolulu. He transferred to Washington DC where he became the Executive Officer (XO) of the section handling the Navy's classified signaling codes. He became XO of navcomsta Pearl Harbor in 1951; Commanding Officer (CO) of navcomsta Great Lakes in 1954; and CO of navcomsta Balboa, Panama, in 1958.

In 1960, Con became XO, and later CO, of navcomsta Cheltenham MD. He retired from Cheltenham in August 1961. Navy radio station NSS, with its receiving station near Cheltenham, and its low frequency transmitters and antenna farm near Annapolis MD, was the main link between the Chief of Naval Operations, Washington, and the Navy's surface ships and submarines operating in the Atlantic theatre.

While at Cheltenham, Con purchased a Collins 75A-4 and KWS-1 and put a beam on a 60-foot pole. During 1960-61, the advanced communications equipment for the new turbojet transport Air Force 1 was being flight-tested in an aerial-refueling tanker based at Andrews AFB, MD; a sergeant friend of Con's was in charge. Though those flights were conducted all around the world, Con says they managed to communicate regularly on the ham bands during his lunch hour, usually on 15 or 20 meters.

Con returned to civilian life in 1961 and retired for good in 1967. "Retiring gave me many more hours to cruise the wavelengths with my Collins equipment."

Earl Korf, K2IC



Earl Korf, K2IC, receiving the QCWA National 80th Anniversary Award. Presenting the award is Bernie Ricciardi, WB2EJT, Marconi Chapter 138 secretary on the left; and Jack Kelleher, W4ZC, Past President QCWA National on the right. The picture was taken at Earl's home in front of the Matterhorn Mountain, which he so proudly climbed.

BORN WITH THE MORSE CODE

by Bob Buus, W2OD and Bernie Ricciardi, WB2EJT

Earl Korf, K2IC was born on July 27, 1904 in Oklahoma. His father was the station agent for the railroad and, as was common in those days, the station agent was given living quarters for his family at the station. So, the first sounds that baby Earl Korf heard were the clickety-clack of the Continental Morse sounders at the station. By the time Earl was 8 years old, his father had taught him (and all of his brothers) the code. The family subsequently moved to Napa, California, near San Francisco.

Earl's older brother became a shipboard radio operator and encouraged Earl to learn the International Morse code. To give Earl some practice, his brother, who was sailing on an oil tanker going up the California coast to Seattle, asked Earl to listen for him. On the appointed day, Earl rushed home from school and tuned in shore station KPH on his crystal set as he had done many times before. The 20 wpm code going between reporting ships and KPH was too fast for Earl to copy. Then, at about 5 wpm, Earl heard his brother reporting the ship's position to shore station KPH. Earl copied the report and was especially thrilled when his brother added "HELLO EARL" at the end. He ran to tell his parents and the neighbors that his brother was passing by off the coast and sent these greetings.

About 5 years later, after obtaining his commercial Radiotelegraph license, Earl went to RCA to apply for a job as shipboard operator. Dick Johnston, a fairly famous radioman, was doing the interviewing and hiring. During the interview, Earl mentioned that he had copied his brother's signal from an oil tanker off the coast. It turned out that Dick was the operator at KPH at the time and he distinctly remembered the time that some LID sent his ship's report at such slow speed and ended

EIGHTY YEARS

with "HELLO EARL". Since no one named Earl worked at KPH at that time, he thought it very strange and assumed that the LID operating from the oil tanker was more than a little confused.

When amateurs were allowed back on the air following World War I, Earl Korf took and passed his amateur exam in the fall of 1919. His assigned call was 6WX and Earl got on 200 meters with a Ford spark coil. His receiver was a simple crystal set using a galena crystal and catwhisker. (By the way, QCWA lists Earl's first year licensed as 1920 since that was the first callbook issued after the war and Earl had no other proof such as his original license.)

In 1920, Earl purchased a 250-watt rotary spark transmitter with Leyden jar condensers. This helped his transmitted signal but his receiver needed improvement. In 1921, the place where Earl worked had access to VT1 tubes from the Navy. Earl smuggled a tube out in his lunchbox and thus upgraded his receiver. Now Earl had a great station but problems remained. For one thing, he interfered with Navy station NPG and NPG interfered with him. Also, the rotary spark was very noisy and the lead-acid battery he used for power leaked acid on the carpeted floor of his parent's house and ruined the carpet. Earl's parents insisted that the station had to go so Earl moved out to an unused barn about 200 feet behind the house.

Earl's first QSL cards came from the east coast where three different stations said they heard his signal loud and clear and wondered how much power he was running to put out such a strong signal. It turned out that someone was using Earl's 6WX call out east so the QSLs were invalid. Even in 1920, there were pirate stations!

Earl, like his older brother, decided to try a seafaring life so he shipped out on the barkentine Mary Windelman as cabin boy, only to be shipwrecked near Pago Pago, Samoa in 1923. Undaunted, he shipped on two other sailing vessels and then went to work ashore as Chief Radio Operator in Naknek, Alaska at station KHT from 1928 to 1930. He also operated his own amateur station K7ANS at this time. His career then turned toward aviation where he worked for some 42 years. For 17 of those years he was a flight radio operator on overseas flights for TWA and Seaboard airlines. He then served 25 years as a flight navigator.

During World War II, Earl was a navigator on civilian transport aircraft flying for the U.S. Army. During that duty tour, he had some famous passengers. He flew Gen. James Doolittle home after his B-15 raid on Tokyo; flew Gens. Dwight Eisenhower and Mark Clark to London; flew Admiral King and President Franklin Roosevelt to the Casablanca conference; and flew Mme. Chiang Kai-Shek out of China to America and later back to China over the "Hump" in the Himalayas.

The trips with Madame Chiang Kai-Shek were anything but routine. In November 1942, on the last leg of the journey from Natal, Brazil to New York, while over the Amazon jungle, two engines of the Boeing 307 Stratoliner lost their oil and the plane rapidly lost altitude. An emergency landing would have to be made someplace - hopefully not in the middle of the jungle! Earl

got on the HF radio and tried to contact any nearby airport that could direct them in on a beacon. However, this was before day-break and HF skip was horrible. Earl did raise a station in Iceland, which in turn contacted an airfield in the Dutch West Indies that turned on their beacon and permitted the plane to make an emergency landing.

The trip back in June, 1943 was even more harrowing. Earl and the crew were flying Madame Chiang Kai-Shek in a C-54 over the hump from India to Chungking, China at night with radio silence to avoid detection by the Japanese. Madame was in the cabin with no pressure and no oxygen for high altitudes. Heavy cloud cover caused the plane to get lost (not a good situation with the Himalayas jutting up to even higher altitudes). So, they tried to climb above the clouds with the hope of obtaining a celestial fix. At 18,000 feet, they were still in clouds and the straining engines were using up their fuel. It was clear that they didn't have enough fuel to make it to China so they turned around (still lost) and hoped they could find a friendly field in India.

With everything socked in, they had no choice but to break radio silence and ask for a beacon at any field in northeastern India. Earl did raise a radio station but when he requested a beacon, the ground station was very suspicious that this was a trick to guide Japanese bombers to an allied airfield. Earl put each of the seven crew members on the microphone and the ground station finally believed they were a friendly craft. A beacon was turned on at a field in Chabua, India where they made an emergency landing. After refueling (and better weather), they continued on to Chungking. As reported by the Associated Press at the time, all seven crew members were decorated with the Chinese Standard of Clouds Medal at Chungking on July 7, 1943.

Earl has held the following tickets: First Class Radiotelephone, First Class Radiotelegraph with aircraft and marine endorsements and continuous renewals since 1924, U.S. Coast Guard Merchant Marine Radio Officer's License and Extra Class amateur license. Other licenses issued by the FAA include: Flight Navigator, Flight Radio Operator, Airline Dispatcher and Private Pilot. In 1996, the Veteran Wireless Operators Association (VWOA) awarded Earl the Marconi Memorial Gold Medal of Achievement "In honoring a Radio Officer on land, at sea and in the air."

Earl has life-membership affiliations with the VWOA, SOWP, and the VFW. He is also a member of the AWA, the ARRL, the OOTC, the QCWA, the Old China Hands, the Morse Telegraph Club, the OX5 Aviation Pioneers, and the International Association of Airline Hams.

Earl is also an accomplished mountain climber. He climbed the highest peaks in 38 of the 50 states with the most recent in Utah at the age of 79 years old! In the Penine Alps on the Swiss-Italian border he climbed the 14,780 ft famous Matterhorn. Earl feels bad, at his age of 96 years old that he has to slow down because heart problems and hip problems keep him from climbing more!

National QCWA has bestowed on Earl the prestigious 80 years since first licensed award. This is only the tenth time that QCWA has ever granted such an award. It has certainly been a colorful and interesting 80 years since Earl obtained his first amateur radio license! Hearty CONGRATULATIONS to him!

Earl resides in New Jersey with his wife Suzanne and son Gregory. He has another son, Richard, in Los Angeles. If you want to say hello to Earl you might catch up with him sometime on-the-air, he is still an active HAM; or you might want to catch up with him via snail mail: P.O. Box 153, Lincroft, NJ 07738, USA.

91-1/2 and still truckin'



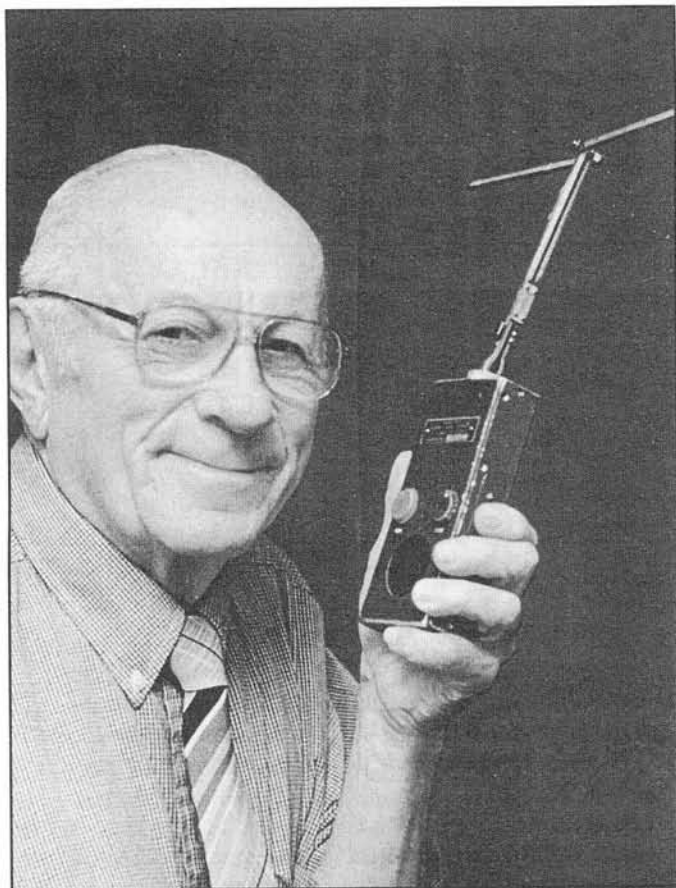
At 92-1/2, Slaughter B. Reed W4DXB is still an active member of the QCWA CW net each Wednesday night on 7035 kHz. He has held his current call since 1935. He proudly displays his Century Club Award which he earned in July 1998.

QCWA HISTORICAL MATERIAL WANTED

It is important that we preserve any or all material pertaining to the history of the QCWA for posterity. If you have items to contribute to the historical record of the QCWA organization, please contact:

Historian Wesley Randles, W4COW
6002 N. Fremont
Tampa, FL 33604
Ph: 813-870-0867
e-mail: w4gxz4@juno.com

FCC Honors Al Gross 'Father of the Handheld'



Al Gross W8PAL holds one of his first models from back in the forties. The transceiver, undreamed of in those days, today is the whole world's necessity



Federal Communications Commission

Wishes to Honor

AL GROSS

An American engineer, inventor and educator by acknowledging and recognizing his many contributions to portable, personal wireless communications equipment over a forty year period starting before World War II and continuing into the 1990's. These contributions include such wireless devices as the walkie-talkie, the cordless telephone and the beeper.

Al Gross' vision and groundwork into wireless telecommunications equipment, as well as, the Commission's insight into that vision have made it possible for many derivative devices, such as the cellular telephone, and a booming worldwide telecommunications industry.

William E. Kennard
Chairman

RESULTS 44th Annual QCWA QSO Party (March 11 and 12, 2000)

Call	Name	Chapter	QSO's	Multi	Total
1 W2MM/VE3	Paul	73	220	83	18260
2 W4YE	Buddy	202	174	53	9222
3 K1GUP	Jerry	ME	104	57	5928
4 W3UHP	Ernie	6	111	45	4995
5 VE3CT/W4	Croft	70	89	51	4539
6 K8MFK	Frank	MI	83	52	4316
7 KC2Q	Mike	138	96	44	4224
8 VE3BNO	George	70	110	38	4180
9 W3TDF	Ray	17	80	51	4080
10 W2KTF	Charles	81	94	36	3384
11 DJ5GG	Gun	106	86	30	2580
12 K2FJ	Ken	65	54	46	2484
13 DL1NP	Ben	106	76	31	2356
14 W9WUU	George	WI	78	30	2340
15 W3KT	Frank	200	57	39	2223
16 W7YS	Bill	AZ	73	30	2190
17 K4BG	Bob	SC	64	33	2112
18 VA3ZBB	Rod	70	68	24	1632
19 KOERM	Dave	102	62	24	1488
20 WOAP	Mac	25	53	28	1484
21 AB2N	Arnold	138	64	23	1472
22 K2SST	Ron	76	35	37	1295
23 W5KL	Leland	158	52	20	1040
24 W4OGG	Dave	TN	40	25	1000
25 K0LWV	Larry	MO	46	21	966
26 W4YOK	Tom	TX	42	20	840
27 W4HU	John	91	33	22	726
28 W1JSM	Don	112	42	17	714
29 K6SS	Len	130	27	26	702
30 K8XF	Mike	FL	36	18	648
31 K4ORD	Riley	202	34	14	476
32 W9NVK	Ed	162	19	22	418
33 W3TZW	Roy	6	29	14	406
34 W9HR	Al	162	26	14	364
35 W6HDP	Bill	16	25	14	350
36 W3MWY	George	20	26	12	312
37 WOYQY	Don	25	18	16	288
38 NS30	George	6	14	18	252
39 W3EE	Lee	20	25	10	250
40 K4GEL	Ed	91	18	9	162
41 W4PCO	Don	32	11	13	143
42 KX8D	Duane	10	10	14	140
43 W4VZ	Art	12	10	11	110
44 WB2CJE	Harold	138	10	11	110
45 W0HXL	Dick	25	12	9	108
46 N2HGI	Laura	138	8	10	80
47 WB2EJT	Bernie	138	8	9	72
48 DL3QV	Hans	Ger	12	5	60
49 DJ2XB	Guenter	106	7	7	49
50 W4DK	Duke	76	6	8	48
51 W9KI	Howard	55	6	8	48
52 K4AVH	Bill	32	6	8	48
53 K1IGD	Chuck	112	6	8	48
54 W9PHJ	Herb	162	6	6	36
55 W3ABC	Hugh	23	8	4	32
56 W0EBA	Byron	62	6	5	30
57 W4AGI	Victor	202	6	3	18
58 K0COP	Dave	89	5	3	15
59 W7LVN	Jim	108	3	3	9
60 K8VFR	Rosemarie	MI	4	2	8
61 K6CJ	Phil	191	4	2	8

75 year Awards

Charles Hellman W2RP



Charles Hellman, W2RP, proudly displays his 75 Year QCWA Plaque.

Charles Hellman, W2RP, should have the middle name "Elmer"! Through a long career as teacher of physics at New York's Stuyvesant High School and then at the Bronx High School of Science, Charles helped countless students to learn not only their basic science but inspired and helped them to become active hams. He was the trustee for the school club stations, he helped individuals learn their CW, ham technology and rules and to pass their license exams. He helped in the formation and operating affairs of numerous ham clubs.

Charles became interested in radio in the early 1920s and was licensed as a ham at the age of 15 in 1925. He studied electrical engineering but switched to physics for his BS and MS degrees from City College of New York.

During WWII, he prepared a course for the Pentagon on Pre-Industrial Radio Training, authoring the text, "Elements of Radio". For many years, he served as a consultant to Consumers Union. However, during his life, the teaching and "Elmering" activities stand out as his favorite accomplishments. The letters he receives now from former students, who occupy important positions in the electronics industry, underwrite this feeling.

Charles is a first class CW operator and is well known on international phone nets as well. In 1964, he received a Public Service Citation from ARRL for his help in saving the crew of the ship "Dubloon" which was sinking off the Florida coast.

The Hudson Valley Chapter, number 181, is proud to have Charles as an active member and feels honored to have been able to present him the QCWA 75 Year Plaque.

Otho Lawrence K6CAY



left to right: Jim Williams K6HIO, President of the Chapter 11, Otho Lawrence K6CAY, his wife Ethel Lawrence.

Och was born in Stockton, CA on September 25th, 1907. He attended elementary schools in Lathrop, CA; Mesa, AZ; Tracy, CA; Santa Clara, CA, and he graduated from the Santa Clara High School. While in high school he participated in tennis, football, track, and basketball.

It was during his high school days that Och became interested in amateur radio, because of Harry Engwich (W6HC) and Frank Quemant (W6NX). Och was first licensed as 6CWD in 1924, but didn't appear in the call book until 1925. During those early years, Och was more interested in building and fixing rigs than he was in operating them.

After high school, Och attended San Jose State University for just over a year, with a major in sports and a minor in math. Pacific Telephone Co. hired him as a basketball player in 1928, and the team won their industrial league games. A bit later, Och was the only member of the team to pass a test given by the Superintendent of the company, and Och was made a Central Office Repairman. Eventually, he also did outside repairs, "and just about everything else".

During WWII, Och became a teletype repairman for the whole division (from San Louis Obispo to northern CA), and was involved with maintaining "code room" equipment. After the war, Och became a Supervisor for PBX, mobile radio, and teletypes. Because of the mobile radio, Och got his Commercial License, as well as reviving his post-war amateur license (K6CAY).

In 1952, Och was transferred to the Chief Engineer's Dept., where he worked on radio transmission and broadband carrier systems in Northern California and Nevada. Och was promoted to

75 year Awards

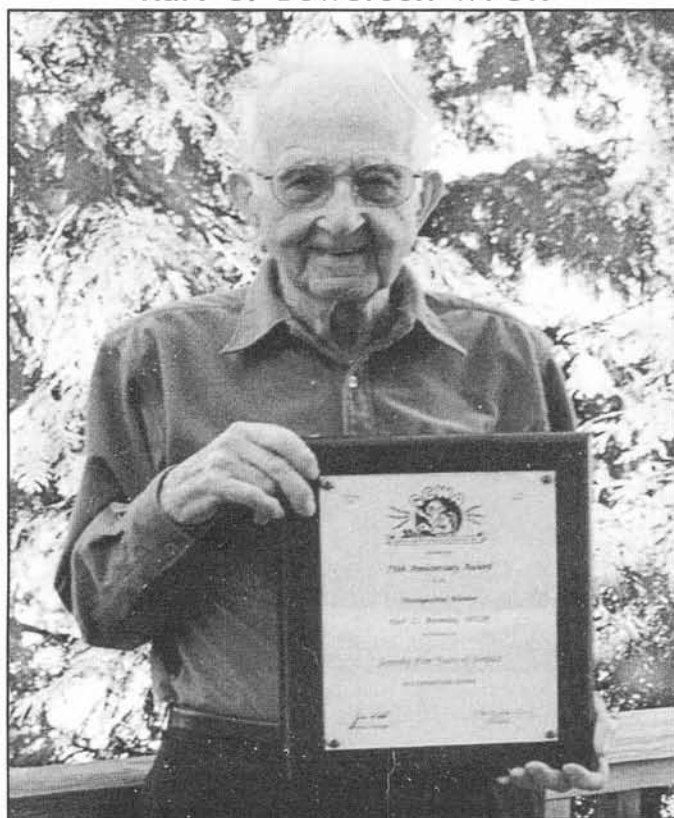
Staff Engineer in 1953, and held that title until his retirement in 1972. Och married his 2nd wife Ethel in 1987, and the couple are avid golfers.

Och says, "I am very happy to have been in ham radio for 75 years. I have made friends all over the World. Lately I only enjoy working the nets!"

Och is also a member of SARO, ARRL, SIRARC, SCCARA, IEEE, and the Islam ARC. He is a Blue Lodge Mason, Scottish Rite, Shrine, Argonauts (travel), and OCTA (Pioneer Trails West). His other hobbies are travel, golf, sailing, and gardening.

Congratulations on 75 years, Och!

Karl C. Bowersox W7OR



Karl C. Bowersox W7OR proudly displays his 75-year Award. He is 91 years old.

Karl got his first call 7OR in 1925 while in high school. He still has his original ham license signed by Herbert Hoover, Secretary of Commerce, and all of his old radio logs. The license specified, "Normal sending and receiving wave length shall be 150 to 200 meters".

With three years experience and some studying, Karl passed his commercial telegraph license examination and went to sea as "Sparks" in 1928 using a half-kilowatt spark transmitter. It was during the 1930's depression and he would alternate a year at sea and a year in college. He also had a short stint at a Seattle broadcast station. Karl held a First Class Commercial Tickets in both radiotelegraph and radiophone for many years.

After successfully passing a 2-day written Civil Service examination, he began a 30-year career with the RCC starting as a "Junior Radio Inspector", splitting his duties between the Portland Field Office and the Portland Monitoring Station. Karl's involvement with amateur radio developed into a commercial radio career.

Despite several periods of inactivity on the air, he never let his license lapse. Has been 7OR, U7OR, NU7OR and W7OR. He always enjoyed the opportunity of providing the 2-letter state abbreviation as well as his call when contacting many hams.

Some of his early recollections include winding his own high voltage power transformer and using a 50-glass chemical rectifier & filters to get a passable DC supply. There were the days of "lo-loss" coils in my homemade receiver using a UV-200 tube and body capacity for fine-tuning. Karl said, "I used to think the Bradleystat was about the greatest invention for the necessary critical adjustment of the storage battery voltage to the filament of that UV-200. It took me 5 hours of hard work in the apple orchards in Wenatchee, Washington to pay for it." He also remembers experimenting with an old Ford spark coil and getting blown halfway across the room when he made the wrong contacts. The walls and the sloping part of the ceiling in his bedroom/ham shack were covered with QSL cards held in place with thumbtacks. He used a 45-volt Eveready "B" batteries for the plate supply in his transmitter.

Karl Bowersox W7OR sums it up by saying, "All wonderful experiences on which to reminisce. And now, this 75-year award from the QCWA really climaxes it all, and I appreciate it more than I can say. Thank You!"

Phil Amborn W6PA



Phil Amborn W6PA receives his 75-year plaque from Roger Vore K6YNY President of Central California Coast Chapter 75.

Phil was born in Oakland, CA and in 1924 was licensed in San Francisco. He was very active in MARS traffic in the past years. He once worked For McKay Radio. He served as President of Chapter 75. He met his wife, Harriet (N6PA) thru amateur radio. She was licensed in 1928.



Gen. Manager's Report

Jim Walsh, W7LVN

For those that might have been keeping score, we have now passed the 20,000 mark in scanning the old applications. At the moment we are issuing numbers in the 30,000+ range. How nice it is to obtain all that drawer space back for active filing. Now to find an older application we search the proper CD Rom and make a print if we need it.

This summer our President Gary Harrison and I attended the Texas Hamcom2000 event, after not being there for several years. The attendance was good, they have a whole new crew organizing things and, best of all, we did better at the table than in all the years past. It was also really nice to see all our old friends again.

The election polls closed July 31, 2000 and here are the results of this election.

President - Gary Harrison KØBC (I)
Vice President - Croft Taylor VE3CT (I)
Secretary - Chuck Walbridge K1IGD (I)
Treasurer - Don Doughty W6EEN

Board of Directors

Arch Doty W7ACD (I)	Leonard Nathanson W8RC
George Roach VE3BNO (I)	Dan Copeland NØDT
Harold Chase W1EES (I)	Bill Wheeler KØDEW
Alan Pickering KJ9N (I)	Jim Williams K6HIO
John Johnston W3BE	Art Kunst W3WM

(I) Incumbent

The following is the official vote count:

Gary Harrison KØBC	2485
Croft Taylor VE3CT	2485
Chuck Walbridge K1IGD	2461
Don Doughty W6EEN	2456
Arch Doty W7ACD	2142
George Roach VE3BNO	2136
Harold Chase W1EES	2073
Alan Pickering KJ9N	2042
Lew McCoy W1ICP*	1926
John Johnston W3BE	1855
Leonard Nathanson W8RC	1612
Dan Copeland NØDT	1533
Bill Wheeler KØDEW	1479
Jim Williams K6HIO	1437
Art Kunst W3WM	1434
Jerrel Jones W5TUU	1350
Don Reinhold KØGOR	1150
Bob Roske ACØL	1118
Larry McCalvy WA9JMO	1107

*Silent Key

Congratulations to all who participated.

Jim, W7LVN

Memorial Scholarship Fund Donations

NAME	HONORING
Chapter 191	
Chapter 63	K5PIA
Chapter 120	W1UKR
Ralph Hasslinger	W2AUF, W6IL, W1PB
Wayne Flickinger	W4DQT
Chapter 49	W4DQT
Chapter 112	W2AUF
Chapter 29	W2PPS
Leland & Helen Smith	W1PB
Soc. Of AM. Radio Ops	K6HVN
William R Payne	K7CLL
William R Payne	
Chapter 54	W5CAE
Chapter 55	
Chapter 41	W5CAE
Chapter 89	K4BGN
Chapter 181	
Chapter 53	W8NOF
Chapter 53	K4GEW & KH6JSE
Chapter 162	W9OVZ
Chapter 19	KB0KK
Chapter 41	WA5RIX
Chapter 19	KD0IL & W4OMG
Chapter 89	W4SZG
Chapter 63	K5SXJ
Chapter 64	W1NUO
Chapter 126	W4LEN
Ralph Hasslinger	
Frank & Jean Gordon	N2XJ

Lew McCoy W1ICP Silent Key

Just as we were about to go to press with the Fall Journal, the Editor received word that Lew McCoy W1ICP became a silent key on July 31, 2000. We knew he was seriously ill but no further details of his passing were available.

QCWA Endowment Challenge

Leland Smith W5KL

James C Walsh W7LVN

Chapter 169

George Knudsen W4GCK

Chapter 142

Kenneth Wright W8NOT

Albert Radolec KC8MC

Michael Kehr WA8SYD

Robert Hanna K8ADK

Jon Parton KB8VQC

Kurt Meyers W8IQ

Les Hardie WA7ELV

QCWA Conventions

Members of QCWA have long been used to "on air" fraternization, with friends of many years meeting only occasionally at hamfests or flea markets. Our sideband and cw nets, along with the Journal, keep us in touch internationally. Our QCWA chapter system provides an opportunity for more regular meetings of local amateurs. The QCWA yearly convention provides the opportunity for members (and wives) from all over North America to gather with their on-air friends for a few days of enjoyable camaraderie. The convention is preceded by the annual QCWA Board meeting, so members have the opportunity to meet and present their views to the Executive and Board members, as well as discuss the decisions of the past year. An opportunity is provided to learn of the latest technologies we are using, along with remembering some of those of the past.

Have you attended a QCWA convention? Has your Chapter thought of organizing a QCWA convention? These two important questions face our membership and Board as we enter the 21st Century. The trend has been for fewer people to attend this annual function, and for fewer Chapters to offer to organize it. Its time to reverse this trend.

Conventions are Fun! Its great to meet old friends, and enjoyable to make new ones. And an hour operating a new Kachina or Pegasus lets you know where it's at real quick!

If your chapter is getting in a rut, organizing a convention is one way of getting things back into high gear, as well as putting a big smile on your treasurer's face. QCWA headquarters will supply seed money to start things rolling, and lots of advice. So what does your Chapter have to provide? A lot of enthusiasm, ten hard-working people, and a year to two years of planning and organization. Take a look at the advertisement in this Journal for this years convention. It's being organized by the Fred Hammond Chapter 73 in Toronto, Canada. And it will be fun! In year 2001 Chapter 162 in Wisconsin is already working on a convention cruise. We need a chapter to host the 2002 Convention. Talk to your chapter executive, then get in touch with our President or Vice President.

William J. Komistra, W9OVZ - Silent Key

William J. Komistra, W9OVZ, became a Silent Key on May 11, 2000. A lifelong Racine resident, Bill served in the US Army as a Signal Corp Lieutenant during WWII, along with his other five brothers. Bill retired from the Twin Disk Corporation in 1978. He was a Boy Scout Leader, Big Brother, 4-H Leader, Hunting Safety Instructor, and as a member of the Racine Literacy Council, he taught reading and math at the Racine County Jail. Bill loved motorcycling, traveling and dancing.

But Bill's greatest love was Amateur Radio. Licensed for more than 65-years, Bill's contributions to the hobby are an impossible task to list. They cover too many facets over too many years to adequately recall. Bill was a charter and founding member of the Racine Megacycle Club (circa 1937); a founding and charter member of the Quarter Century Wireless Association's Chapter 162 in 1987; was selected as the Racine/Kenosha Ham

of the Year in 1992; and received the Olie Fox, K9AKG Award of Excellence in 1998. Bill has received many recognition awards from the National QCWA headquarters; two of last ones include a certificate attesting to 65-years as a licensed Amateur Radio Operator, and a certificate of Appreciation for assisting in two QCWA national elections.

Bill has touched the lives of many enthusiastic individuals as they studied for their own license. Bill shared his great antenna knowledge and operating skills with area Ham classes over the years. His mechanical aptitude was uncanny. When he could not find a part to rebuild an old generator or radio, he made the part.

And whenever anyone asked Bill for assistance on any project; his response was always, Yes! Bill will be sadly missed!

Larry McCalvy, WA9JMO, Chapter 162, President

CQ DX



Chip Margelli, K7JA, DX Editor • 6652 Cerulean Ave. • Garden Grove, CA 92645

Solar Max Conditions

In this issue's column, I'd like to review the propagation paths that we all need to be looking for this fall, as we find ourselves at the peak of the solar cycle. Folks, the next six months will be about as good as it's going to get for the next decade, so it's time to get serious about working those unusual propagation paths that we only can experience at the peak months of the sunspot cycle.

And we'll review, for a moment, the raging popularity of the so-called "Moxon Rectangle" antenna. It's for real, everyone!

Propagation Basics

During peak times of solar activity, our ionosphere is being bombarded by energetic particles from our Sun. These particles, of course, contribute to an overall "baseline" level of ionization, which, even on "quiet" days of low solar output, is much higher than on a "good" day at the solar minimum.

Now with the increased solar activity, of course, we get more disturbances in the ionosphere, as Coronal Mass Ejections and other sudden bursts of solar output send massive blasts of energy toward our planet. The aurora lights up the sky in Polar Regions, and HF conditions generally get messed up! But the good news is that the disturbances tend to last only a very short time, as the "baseline" ionization helps HF propagation return to a "not very disturbed" condition in very little time.

So a geomagnetic disturbance is not a reason to hang up the key or microphone, as it might be during the sunspot minimum. And the "baseline" ionization also helps conditions ramp upward nicely when undisturbed ionization is taking place.

As DX operators, we do need to be mindful of the 27-day solar rotation period, and the effect this can have on propagation. By watching the numerous Internet sites which cover solar activity, we can be alert to (A) repeats of geomagnetic disturbances (and the enhancements just ahead of the disturbances), and (B) watch for the periods of generally rising and falling ionization, so as to try to "clear the calendar" of other activities. We might as well take every possible advantage of the good conditions, because they won't last forever!

And what can all this bring to us?

Low Bands (160-40 Meters)

Although the chief "good news" most Hams associate with the Solar-Max has to do with the higher-frequency bands, one must not lose sight of just how bad propagation can get.

At the bottom of the solar cycle, for example, the MUF during the winter months can easily drop below 7 MHz. When this happens, of course, we are left with just the 80 and 160-meter bands on which to operate, and those bands require the use of antennas, which are, in a word, "massive." The 40-meter band is a little better, as far as antenna size is concerned, and at Solar-Max there is almost never a time when we lost 40 meters as a viable operating band.

Contest operators working domestically can take advantage of the intense ionization to utilize NVIS (Near-Vertical-Incidence Skywave) propagation up to 40 meters, and for operators in Europe and the eastern part of the United States this means that many hun-

dreds of more-local QSOs are available on 40 meters than at the solar minimum.

20 Meters

During the spring, summer, and fall months, the 20-meter band can be expected to be open to somewhere basically around the clock. Only in the dead of winter might we see some quiet nights, and only then when solar activity is really low for a few days. Basically, 20 meters can be open for months at a time!

Unusual paths really shine during Solar Max conditions, and 20 meters can make these paths seem trivial. On any given day, eastern North American DXers should watch toward the Southeast in the sunrise and sunset times, as Asian DX stations tend to show up on Long Path. On the west coast, we watch particularly in the morning for Long Path propagation to Africa, Europe, and the Middle East, beaming to the Southwest. And around sunset, we turn our beams to the South-Southeast, looking for Long Path hops into Central Asia.

And while the Long Path is fascinating, don't forget some interesting Short Path possibilities. In the late afternoon in North America, for example, calling CQ towards Africa may reward you with a reply from some poor insomniac in Nigeria, Burkino Faso, or Morocco, with an easy rag-chew being your reward. Mornings and early afternoons bring loud Europeans, which reappear in the evening. And the Asian stations make daily appearances in the afternoon, sometimes also showing up early (around 1200 UTC) on days of good propagation. Stations in the Indian Ocean area can appear both in the morning and early evening, on both Long and Short Path. Sometimes they even appear on both Long and Short Paths at the same time; decisions, decisions, decisions!

So make the "default" position on your antenna switch "20 Meters," as you won't go without DX on this band.

15 Meters

Still my favorite band, 15 meters today displays many of the characteristics that 20 meters would display a few years ago (and will display a few years hence). As such, the 21 MHz band is full of DX!

One particular benefit of the 15-meter band is the lower overall noise level, a tendency that continues as we go higher in frequency. Accordingly, it takes a lower incoming signal voltage to over-ride the background noise, meaning that you can hear weaker signals on 15 than you can on 20. Of course, the physical size of half-wave antennas is smaller on 15, too, so the voltage they can produce is less. But this fact also means that more gain and a tighter pattern can be achieved on 21 MHz per foot of aluminum, as compared to 14 MHz, so we can more readily build antennas for 21 MHz that produce superior signal-to-noise ratios.

Mornings on 15 meters from North America yield easy QSOs into Europe, Africa, and the Indian Ocean. In the summer months, as well, loud East Asian stations are easy to work every day. Sunrise brings Long Path QSOs from the Southeast into Southeast Asia, and into Europe, Africa, and the Middle East to the Southwest.

As we swing into fall, 15 meters should really produce spec-

tacular results. Stations in the northern part of North America should especially watch for nightly trans-polar openings into Europe, Russia, and West Asian regions; these openings can produce tremendous signals, and the rare DX that can appear will really be tantalizing! Late afternoon and evening will also produce loud signals from Australia, New Zealand, and the rest of the Pacific. Once the Pacific stations start to fade out, turn your beam a little more southward, looking for juicy DX on the late-evening Long Path. Make some noise by calling CQ, too, as the DX may be sitting there listening, just like you are. If nobody transmits, you'll not know the band is open.

And be mindful of a peak in propagation toward Europe just after local sunrise here in North America. There is a little "spurt" of low absorption that makes some easy QSOs possible into really "deep" areas of Eastern Europe and West Asia that you might not otherwise work.

10 Meters

This is the time in the solar cycle that all minds turn to 10 meters. The low noise, low absorption, and high activity (caused by the physically small antenna size) all combine to make 10 meters exciting and fun!

Particularly so because 10-meter signals may be refracted by a marginal ionosphere at grazing angles over very long distances. At lower frequencies, where the takeoff angle from your antenna may be higher, the signal may simply disappear into space. But at 10 meters, a little bit of signal might just go a long way, and with the low noise someone just might hear it!

Ten meters will share many of the characteristics of fifteen meters, with regard to the propagation paths to be covered. Long Path propagation is rather less common, but when it does happen, signal strengths may be very high compared to the other bands. Watch especially from early November through mid-December for Long Path to the Southwest, as historically this has been a peak time.

But the "short version" of the 10-meter propagation story is to turn your beam to the Northeast when the sun comes up, and turn it to the Northwest in the afternoon. You can turn it to the Southeast all day and into the night, and to the Southwest after about 10 AM. If you're not working DX somewhere, you're antenna's broken!

The low absorption on 10 meters means that you'll be able to work QRP stations, newcomers, and generally a much smaller level of DX station than on the other bands. This means that you often get very interesting QSOs as a benefit, as the bloke on the other side is frequently "fresh" to DXing, with all the attendant enthusiasm that makes DXing the delight that it is. Take some time to enjoy this enthusiasm, and remember how it was in your first years of DX operation.

17/12 Meters

These bands share the characteristics of the bands on either side of them, but 12 meters will stay open longer than 10, and 17 meters will stay open longer than 15 (yet with lower noise than 20 meters). No particularly different propagation will be encountered, but it is very important (especially on 12 meters) to call CQ so as to alert the world to the fact that the band is open! Make noise; if you don't get an answer, try again, and again. Eventually, someone will come back to you, announce you on packet, and then the pile-up will find you!

Six Meters

Although six meters is utterly unpredictable, the first ten days of November are just about a sure bet for long-distance propagation this year. Expect some fairly spectacular openings into Japan, possibly extending inland from the West Coast into the Ø and 5 call

areas, and possibly further east than that. Europe similarly may make an appearance, and the eastern part of North America is hereby requested to share the prosperity with us deserving DXers out west!

When alerts are posted regarding incoming bursts of solar energy, it is important to get onto six meters as soon as possible, so as to ride the enhancement that occurs just before the geomagnetic storm hits. South American and Pacific stations should be workable with big signals, and then they'll disappear quickly when the storm hits. But they'll be back in a few days!

Six will go quiet in the middle of winter, but February 2001 should bring another wave of long-distance 6-meter DX, allowing a whole generation of VHF DXers to polish off their DXCC on 50 MHz!

Summary

Fun, fun, fun... that's what Solar Max is all about. Get that HF antenna up in the sky, and enjoy the great propagation. It will stay good for several more years, but the truly "great" times are now upon us, and we should take advantage of it. Have fun!

Moxon Rectangle Antennas

There has been a lot published recently about the so-called "Moxon Rectangle" antenna. Starting with a square 2-element antenna conceived by VK2ABQ (who originally set out to make a compact beam), Moxon (G6XN) investigated this concept, converted it into a rectangular shape, and the result was a two-element beam which displays splendid front-to-back ratio (30 dB is not impossible to obtain), along with a feedpoint impedance typically around 50 Ohms! Is this beam for real?

It certainly is. On Field Day this year, I was responsible for 15 meters on CW, among other things (including Satellite operation—I worked W5UN on moonbounce!). While I used a five-element Yagi beaming eastward from California for hitting the propagation center of North America (W8/9/3), I also put up a Moxon Rectangle facing north, so as to work into Washington, Oregon, and British Columbia. Wow!

With the Moxon beaming to the North, stations, which were S-5 to S-7 in Seattle, were basically inaudible on the eastern beam. And around midnight, I was pleased to work a number of European stations, despite the fact that the Moxon was only mounted at 20 feet on a lightweight aluminum pole. SM5CAK told me I was the only North American station he was hearing, and my 100 Watts felt very proud about that.

Our 20-meter CW station also used a Moxon, which they originally pointed North; however, they found that it worked so well that they pointed it Northeast, and essentially used it as their primary antenna (they also had a 4-element wire beam). After making over 1000 QSOs, they perceived that the antenna worked.

In a nutshell, the Moxon rectangle is a two-element beam using elements about 2/3 the length of "normal" Yagi elements; the "missing" length is made up by wire tips which fold inward, at right angles, toward the other element in the beam. The increased coupling between elements brings up the feedpoint impedance, and dramatically improves the front-to-back ratio; typical 2-element Yagis may have only about 12 dB of F/B, while the Moxon will do 20-30 dB with ease. The gain is typically about ½ dB less on a Moxon, but that cannot be heard on the other end of the communications circuit. And the broad front lobe makes the Moxon a great antenna on which to call CQ, as it illuminates a wide azimuth area. And it's very quiet on receive, due to the beautiful pattern.

Continued on page 21

RULEs & REGs



by Jack Kelleher, W4ZC, 612 Ednor Rd., Silver Spring, MD 20905

This column presents a summary of recent significant actions in the area of domestic and, as appropriate, international Rules and Regulations.

Past President Jack Kelleher and the Journal's Editor of Rules and Regulations has taken a leave of absence from keys - that means computer keyboard keys and the more widely familiar telegraph keys. Due to an unfortunate encounter with a flight of concrete steps that he negotiated collectively rather than individually, he managed to break his right wrist, which will severely impair his code sending ability, and put a crimp in his typing speed. While he undergoes therapy on the injured wrist, Jack must take leave of his assorted keying activities. The Journal hopes for his speedy recovery.

Fern Fisher, W9LCJ Receives Recognition of Excellence Award

Fern Fisher, W9LCJ Receives Recognition of Excellence Award for 1999 Each year Chapter 162 searches the communities around southeastern Wisconsin looking for the one person that they feel epitomizes the true meaning of Amateur Radio.

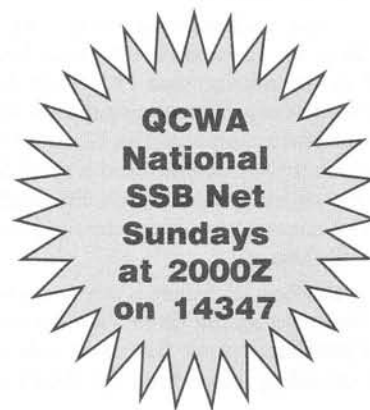
For 1999 Chapter 162 has selected Fern Fisher, W9LCJ as the fifth recipient of The Olin Fox K9AKG Recognition of Excellence Award. The award is inscribed: For unwavering dedication to sustaining the community support objectives of Amateur Radio, the Southeastern Wisconsin Chapter # 162 of the Quarter Century Wireless Association is pleased to present this award. Fern V. Fisher, W9LCJ is a founding member, the current secretary, and a control operator of the Lakeshore Repeater Association. She is a past director of QCWA's Chapter 162, a participant in their annual Field Day and a volunteer communicator for Racine Lutheran High School's annual Walk-a-Thon. Fern is one of those rare individuals who are just naturally likable. Always cheerful, she finds time to help with Ham Radio demonstrations and other community communication events; she sets an outstanding example of what most of us consider an Amateur Radio Operator should be. Fern is also an active Volunteer Examiner for the local ARRL Licensing test team. Few local Hams give as much so willingly to Amateur Radio and their community. We are happy to recognize her contributions.



Larry McCalvy WA9JMO - President Chapter 162, presents Fern Fisher, W9LCJ with the Recognition of Excellence Award for 1999.



Left to right: Glen Tronstad W5MSX, Jim Walsh W7LVN and Gary Harrison K0BC - QCWA President at HamCom in Arlington, TX. Photo courtesy of Chapter 51.





Amazon Queen 2000



by Lynn Fisk K5LYN

As a QCWA member, it is my pleasure to report that the 5K9AQ (5K9Amazon Queen) expedition in the Amazon jungle has been completed, though Phil Gonzales, HK3SA is still on the river, bringing the boat back to Leticia, Colombia, from Manaus, Brazil where the official expedition ended. We made about 1000 DX contacts during the voyage. Though I believe I was the only QCWA member on board, at least one other person, KJ5CB has previously been a member, and the operators were all age 50 or more. Ellen KE4PPD, is 70 years of age.

You are invited to visit our web page for additional pictures, and a human-interest story by me, under "writings" called, "A Mother's Story."

March 20th, 2000

The Colombian Ministry of Communications authorized the distinctive callsign 5K9AQ for a DXP-River Mobile on the Amazon River during the year 2000. In February 2000 the riverboat Amazon Queen, a 14 ton, 47 foot long wooden boat owned and Captained by Phillip Gonzales, (HK3SA), supported and accompanied Kapax, the Colombian Tarzan, on an ecological awareness swim more than 90 miles down the Colombian Amazon river. A second major part of the expedition explored 1,650 km. of the Amazon from Leticia, Colombia to Manaus, Brazil from 26 February to 7 March 2000. Phase three, in March 2000 included part of the Rio Negro and an area 100 km. east of Manaus. Further voyages upriver from Manaus and in the Colombian Amazon will be made during the remainder of the year.



5K9Amazon Queen

Our main goal, apart from QSO's to the world, was to acquaint river villages and Indians with ham radio, and to remind ham radio operators and school children throughout the world of the importance of the Amazon River Basin and its rain forest.

The Amazon River (6,289 km long) is the largest navigable river in the world, second only to the Nile. It runs from the Andes Mountains through 3 countries, pouring 55 million gallons of water per second into the Atlantic Ocean, and contains more water than the Mississippi, Nile and Yangtze rivers combined. 15,000

tributaries feed it and it's drainage basin covers over two-fifths of South America with a rain forest 12 times the size of France. This rain forest is home to more species of plants and animals than anywhere in the world, including the endangered Amazon pink dolphin and the Victoria Regia - the biggest floating plant in the world. Operators were: HK3AVR - Jim, HK3SA - Phil, HK3ZOR - Harry, KJ5CB - Paul, K5LYN - Lynn and KA4PPD - Ellen.

Special Yls - Connie, Monica and Annette.

Other Special Expedition People: Tony, Mike, Rick, Scott, Robin and Rob.

A big thanks to "Chucho" our pilot and chief mechanic, Eugene, our cook; our support team consisting of HK3WOP - Howard, HJ3WUK - Alan, HJ3JXE - Lelia; members of the Spider Webb Net 14.347 MHz, the Intercontinental and Maritime Mobile Net 14.300 MHz; and Kate Dougherty - designer and updater of the Internet web page at www.amazonqueen2000.com



The "Queen" Team



K4FW has beef with gods from Al Kahn K4FW

I don't know why the Propagation Gods have picked on me to wreak their vengeance. My ham career dating back to spark is without blemish. I have never operated out of the band and have resisted the temptation to slip over the edge to raise some rare DX. My power never exceeded the legal limit and I always called - QRL - prior to calling CQ.

When I have been DX myself, I signed frequently to let the gang in the pile-ups know who they had just worked. I try to respond at the code speed of the sender, answer all QSL cards and when I am on SSB (rarely) I keep my drive down to avoid splattering.

Maybe the Propagation gods are confused and have mistaken me for someone else I know.

First, they had Zeus throw a lightning bolt to knock out a new M2 rotator and control. A few days later, they had an associate god knock down a 100-year-old Oak tree that, in turn, demolished my trusty old 18HT vertical antenna.

I am undecided how to respond to this unfair punishment. Can I sue the Propagation gods? Or shall I appease them by making a sacrifice. Like throwing my OMNI VI over a cliff?

Dear Al, Maybe you and President Gary Harrison can team up on some sort of class action suit. (Gary's home and shack were recently blasted to smithereens by the gods.)

Invalidate election? - from Tom Brooks

As a member of QCWA I was somewhat amazed at the way the current election is being handled. Perhaps others feel as I do. I got my first election ballot, marked it per instructions, noting that one name was missing from the ballot, and sent it to the address given. A short time later another ballot arrives with the extra name on it. Now the problem comes that I NO LONGER have any information on the candidates as I threw the material out after voting the first time. The second ballot comes and I have ZIPPO on the candidates so I just toss the ballot in the trash.....I wonder how many others did the same thing.

I think QCWA should declare the entire election INVALID and start over again with information provided on each candidate, and a new ballot. Let's be fair!

Thanks for listening!

Thanks for the Memories from Jerry S. Stover W5AE

Marcus Barnes, W5CN's article in the Spring QCWA JOURNAL was delightful! His 1950 visit to Leo Meyerson's wonderful "Candy Store"—World Radio Laboratories (WRL)—reminded me of another such emporium.

In the early 1930's, Mr. Hugo Gernsback published several Radio magazines, "How To" books, etc. To many, Mr. Gernsback was "Mr. Radio." One of his magazines, "Short Wave Craft," had full-page ads for Radio Trading Company (RTC) in Chicago.

I got my first call, W9PEV, in 1933. Shortly after, our family drove to the Worlds Fair in Chicago. My father took me out to RTC. It was truly a "candy store" for me. The shelves and bins were full. The staff was especially kind to this new, 13 year old ham. I spent a wonderful hour and finally bought a 400 volt transformer for \$7.00.

When we returned home to Rochester, MN, the transformer proved defective. I shipped it back. Two weeks later, I received a check for \$7.00, plus my postage cost. The check was signed by Hugo Gernsback, Mr. Radio himself!

I showed off the great man's "autograph" to fellow hams for a week. Had the amount been smaller, I might have even framed it! Instead, I cashed it and bought another transformer at Lew Bonn's, then a new radio store in St. Paul, MN.

Why 400 volts? I was building a transmitter, using a pair of 201A's. No, that is not a misprint for the famous UX-210. We scrounged 201A receiving tubes from junk boxes of local radio shops. With 200 volts at 100 MA the plates glowed red, but with short dashes and light dots, they lasted a couple of weeks.

Marcus, thanks for the memories!

Author thanks Editor - from Joe Zelle W8FAZ

Dear Gerry OM:

TNX for including my article, "A Kellys Island Adventure" in the QCWA Journal Summer 2000 Issue, p. 46. It was a pleasant surprise. Even more interesting was your follow up article on the late Russell. He deserved to be mentioned as the very last survivor of that 1921 pack who revolutionized long distance communications and opened the shortwaves. It took the Hams to do the job.

Transistor Spoof draws comment from Ted Chernin KH6GI

Dear Editor,

The Summer 2000 issue of QCWA had an April Fool's type story about the invention of the transistor. There have been several serious minded articles through the years about who invented the transistor, but the first time an actual working transistor was invented was in the 20's, and on Jan. 28, 1930 U.S. Patent No. 1,745,175 was issued to one Julius Edgar Lilienfeld (that's feld, not field) for "A Method and Apparatus for Controlling Electric Currents", which was similar in construction and operation to the Field Effect Transistor perfected much later. He had previously obtained a Canadian patent for it in 1925.

He had been a professor of physics at Leipzig University in Germany but had emigrated to the U.S. Not much was known about solid-state physics at that time and unfortunately he chose a poor material, copper sulfide. It is not a good semi-conductor, and though his transistor did work, it had very low gain so was not of much practical value. The patent drawing contained a schematic diagram of a radio receiver with a multi-stage amplifier using his transistor.

In 1959 Paul Weimer, an RCA Labs researcher, used Lilienfeld's patent drawings to build the identical device but using cadmium sulfide, and it worked like a charm, having high enough gain to have made it useful for practical purposes back in the 30's. If Lilienfeld had used Edison's tactic of trying everything under the sun he very likely would have hit on cadmium sulfide, and we would have had solid-state electronics before World War 2.

What a near miss that was!

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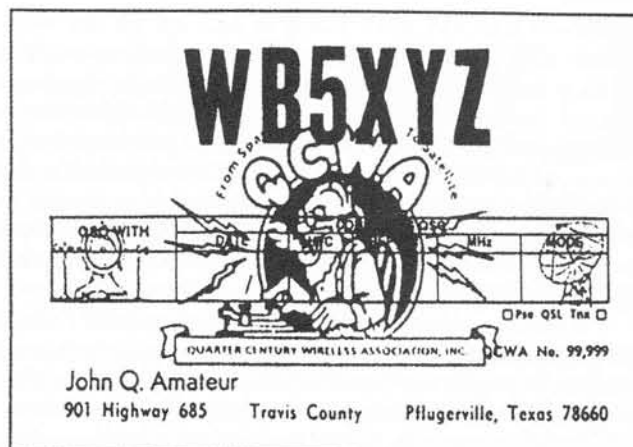
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The triumvirate of QCWA President Gary Harrison KØBC, Treasurer Duke Knief W4DK and GM Jim Walsh W7LVN mans the QCWA table at the Dayton Hamfest. Photo by Larry McCaivy WA9JMO.

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Editor's Corner

Yikes! The Fall Issue of the Journal is overflowing with awards. Plans for more in-depth coverage of Dewey Wilson W7HF with an interview and additional pictures were prevented by his untimely passing. The Editor is very grateful to the Daily World newspaper, Ted Dixon Publisher who allowed us access to their archival information on Dewey. I also appreciate the efforts of our President Gary Harrison who compiled some biographic information from previously published material.

I've started receiving several chapter newsletters and I would like to urge other chapters to send theirs. Frequently, the Journal is looking for smaller newsworthy or entertaining items and they can often be found in the chapter newsletters.

The Fall Issue of the Journal is staggering when one tallies up the number of years of amateur radio service for the 85, 80 and 75 year awardees. With only 7 men, we have a total of 545 years of service. That's a pretty healthy total but I bet the best is yet to come.

We sort of got caught short of space for articles this time but don't let that deter your creative juices. Our file of future articles is definitely not overflowing so we urge you to keep 'em coming! There are many interesting stories lurking out there and we want to share them with everyone.

Until next time - 73.

Some of Fessenden's Early Contributions to Radio

by William G. Pierpoint NØHFF

QST July 1932, p. 31 ff: "Some Recollections of Early Radio Days" by S. M. Kintner (A summary of the much more complete paper "Pittsburgh's Contribution to Radio" delivered to a joint meeting of the Institute of Radio Engineers and the American Institute of Electrical Engineers on April 7, 1932 [?!]) This article deals only with events up to WW-I. The author was intimately associated with several individuals whose part in the development of this art has been of major importance: continuous wave generation, heterodyne reception, radiotelephone, radio-broadcasting and short-wave long-distance operation are some, but not all of these accomplishments.

In 1897 two students of Fessenden in electrical engineering at what is now the University of Pittsburgh, undertook a study of Hertzian waves for their graduating thesis. At that time these waves were always generated by an oscillating spark discharge of a condenser and were always detected by some type of imperfect contact or gap. These two students became Professor: Edward Bennett and Mr. William Bradshaw, Manager of Westinghouse' Newark Works.

Their earliest work was disappointing because it convinced them and Fessenden that their detection means varied so radically from one time to the next that they were thoroughly unreliable. Better means for detecting than those imperfect contact systems must be used for useful communications. This was recognized as a complete change in direction of development of radio systems.

About two years later Fessenden asked for help in his plan to supply live communications for the New York Herald on the upcoming yacht races off Long Island. He had a new kind of detector which consisted of a minute silver ring that mounted in the field of a coil connected in the circuit of the antenna. The presence of a signal caused the ring to move. This movement could be observed by a spot of reflected light or by listening to the effects produced by mounting the ring as part of a microphone. [No further description of that type of system.]. This detection system could not be made practical in time for the races, but it did show that it could give quantitative results instead of just the presence or absence of a signal, and thus would be valuable.

Fessenden was convinced that the successful detector of the future wireless art — if there was to be such a commercial activity — must be constantly receptive, instead of requiring continual resetting, as was characteristic of the coherer; it must have low resistance, so as to best take advantage of resonance; and it must give responses proportional to the received energy. But the coherer at that time was considered to have a sensitivity not even approached by any other device then known. It was the heart of the wireless system. His views were resisted by his knowledgeable friends.

His intense efforts developed the hot-wire burretter, which was similar to a miniature lamp whose filament was made of Wollaston wire. This wire was a very slender platinum wire core plated with silver. Its hot filament needed to have the silver plating removed over a very short length by dipping it in diluted nitric acid (20%). By accident he discovered that while one specimen was dipped in the nitric acid solution an attached meter showed it was actually receiving radio signals from a near-by automatic sender sending the letter

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"d" repeatedly. This particular lamp was found to have a broken filament, and the result was rectification, detection. The liquid barretter was discovered!

It proved to be far more sensitive and reliable than any other type so far, and became the standard for evaluating others until about 1913 when the vacuum tube, having also amplification, far surpassed it. This liquid barretter allowed the use of a headphone, adding its sensitivity to that of the barretter. But the risk of spilling the potent acid prevented its general use — especially aboard seagoing vessels, which were so subject to roll and pitch. (The later crystal detector in 1906 was roughly its equal.)

He saw that this would allow hearing the quality of signals. This would allow identifying signals from various sending stations by their characteristic sounds, like a person's voice allows his recognition when heard. This suggested to Fessenden that if some means could be found to modulate the radiation by voice, telephone quality signals could be achieved. In 1901 he used a spark transmitter, by placing a microphone in series with the antenna-ground circuit to modulate its signal. In spite of this noisy carrier he was able to understand his assistant's speaking voice. To be successful, radiotelephony would require a radio signal generator, which does not have the raucous carrier noise of a spark transmitter. This was not possible until in 1906 he had a continuous wave low RF, or long wave, alternator.

Dr. Fleming's 1906 edition of his book *Electro-Magnetic Waves* discussed Fessenden's patent No. 706,737 issued 12 August 1902, and claimed that if there were such a machine it is doubtful that it would function as suggested. That statement did not appear in later editions!

When in 1902 he proposed making such a generator, his assistant asked how much voltage he would need, Fessenden said only several hundred volts. Then by using resonance this would be multiplied by a factor of several times. It took about five years and considerable expense to design and produce create such a machine which at first had about 750 watts output at 80 KHz. It was delivered in September 1906 to Brant Rock, MA, the first time continuous electromagnetic waves were created by man. The new alternator was immediately put into experimental usage with telephone-modulated transmissions. On Christmas eve that year, 1906, a CQ — a general call — was sent out from Brant Rock, followed by a song, the reading of a verse, a violin solo, a speech and finally an invitation to report what and how well it was heard by anyone listening.

One can only imagine the shock — the astonishment and wonder, and even fear — felt by lonely ship's operators, accustomed to hearing only the raucous Morse code signals of that day. Fessenden did receive a number of letters from all over the North Atlantic from ship operators asking how he did it.

The alternator and these experiments by Fessenden were financed by a company named National Electric Signaling Company, totally financed by two daring businessmen: Mr. T. H. Given and Mr. Hay Walker. Its purpose was to carry on Fessenden's researches directed toward developing a system to engage in communication business. No stock was issued and there was none of the wireless "racket" so common then — the high-pressured investment propositions offered by dishonest promoters.

Prior to this, in 1905, three small stations using gasoline-powered dynamotors driving plain spark gap transmitters, — at Old Point Comfort, at Ocean View and at Cape Charles — were built. Later two others — at Jersey City and Collingswood NJ, — and finally one at Washington DC. From this experience a transatlantic

pair was set up, one at Brant Rock MA and the other at Machrihanish, Scotland. They used 35 KW 125 cycle alternators with rotary spark gaps, giving a 250 cycle modulated spark tone. Antennas were vertical tubes 425 feet long, well guyed. Later a top hat was added to each. Two-way communication occurred first on New Year's night 1906, but became erratically off and on, until July 1907 when a violent windstorm bent the Machrihanish tower and so badly damaged it that it was not repaired. It was obvious that more power was also required. Later an attempt to obtain a commercial license was rebuffed by the British government and that project was abandoned.

A new station using a 100 KW 500 cycle rotary spark gap transmitter was built and installed at Brant Rock. It gave such excellent results that a duplicate was sold to the U. S. Navy and installed in a cruiser. About three years later (1913), after much testing the Brant Rock station was accepted by the Navy and moved to Arlington.

Also in 1905 Fessenden invented the heterodyne receiving system, but it was not usable until the vacuum tube allowed a continuous wave local oscillator. It proved to be the best receiving system of all.

Mr. Pierpoint comments: *Several years ago when I was writing a history of radio developments, I used the Journals and the Transactions of the IRE and of the AIEE at the Wichita State U. library (about a half-mile from our home). When I went there the other day to check for more materials from this article, I found that all issues prior to about 1940 had been discarded. I am afraid this is a tendency in library "science" today. Sometimes they do microfilm them, but that is quite a long job on those large volumes, and sometimes those microfilms are almost unreadable due to their haste in doing it. It is probably rather expensive also. What a historical loss! I suspect that many other older books and periodicals were likewise discarded when they expanded the library several years ago. I have hesitated to look for the really old ones.*

CQ DX - Continued from page 15

A small word of warning: most of the designs shown in magazines are for all-wire or all-aluminum designs. I used aluminum for the parallel element members, and wire tips at right angles to create the rectangle; this change of diameter, especially where a right angle occurs, can present major problems for antenna modeling software, and you may need to "tweak" any such hybrid design. On the other hand, if you have an old 20-meter quad spreader in your garage collecting dust, you can bend the spreader tips a bit to create a super framework for the creation of an all-wire 20-meter Moxon Rectangle. You can also suspend a Moxon between trees with ease, creating a low-cost, high-performance beam in your back yard.

A wealth of information on the Moxon Rectangle can be found on W4RNL's excellent Web site. The specific URL for the Moxon Rectangle is <http://cebik.com/moxpage.html>.

Having used this antenna in a competitive environment, I can testify that it is for real. Try it!

Until Next Time. . .

Let's all wave a proud salute to the memory of Louis Varney, G5RV, whose antenna research provided an entire generation of Hams with an effective all-band antenna; sadly, G5RV became a Silent Key on June 28, 2000, and he will indeed be remembered by us all.

73 for now, Louis, and please say "hi" to JY1 and JA1MP for me.

Chip Margelli, K7JA



Chapter Reports are a very important part of the Journal and we would like to see regular reports from all chapters. If your chapter is not represented on these pages, please ask your secretary to file a special report for the Journal. Please send the reports to General Manager, Jim Walsh, to arrive no later than the following dates: July 1, October 1, January 1, and April 1.

Chapter 1, Cleveland

The QCWA's and Cleveland Chapter No. 1's most prestigious member continues to garner more honors. Our President Bill Clinton sent Al Gross a letter of commendation as did the FCC Chairman, Mr. William Kennard. In addition, Al received the Edwin Howard Armstrong Award. Al was video taped in his Sun City home for the Lemelson -MIT Lifetime Achievement Awards ceremony which has been scheduled for the American Museum of Natural History in New York City. Hearty congratulations, Al OM!

Coming back down to earth, the following QCWA and Cleveland Chapter No. 1 members have upgraded their station and operator's licenses: K8AUH, W8AZO, K8CKG, W8GVE, W8HFX, W8NXP, KE8RN, W8SAJ, K8SGM, W8SLZ, W8TPP, N8UQK, W8VRJ, and W8WGO.

Congratulations and welcome to our new QCWA members: KG8MR Glenn Shore, QCWA member #30134 and WB8APD, David Foran, QCWA member #23675 (Reinstated).

Next meeting is scheduled for Saturday Noon, October 14 at Dimitri's Restaurant on Cleveland's near West Side. As always all QCWA members and Radio Amateurs are cordially invited to attend our quarterly luncheon meeting.

Joseph Zelle, W8FAZ

Chapter 2, Chicago Area



Chapter 2 President Jim Quinn, K9JQ congratulates the ComEd speaker, Warner F. Smith, Senior Special Equipment Engineer in the Power Quality Group of Commonwealth Edison (a Division of Unicom) on the fine program.



Warner F. Smith, Senior Special Equipment Engineer in the Power Quality Group of Commonwealth Edison (a Division of Unicom) gets information from Chapter 2 member about his interference problem.

Chapter 5, Delaware Valley

Chapter 5, Delaware Valley held the spring meeting at the Town & Country Restaurant in Bordentown, NJ on April 15th. The meeting was opened at 12:00 noon and Chairperson Florence Power, WA2WYE, welcomed all to the meeting and gave the invocation. Each person was asked to introduce themselves and give their call. The minutes of the December meeting were read by the secretary and approved. The treasurer, Marv Foral, W3QGC, gave his report and it was accepted. A report was given on the visit to the Sony Music Plant in Pitman, NJ which was a great success.

The speaker for the meeting was Amy McIlvaine from the New Jersey Citizen Action Group and she gave a very informative talk on the rights and responsibilities customers now have concerning the electric utility supplier. This group is working with the Public Service Electric & Gas Company to provide information to the public concerning the deregulated electric industry. Her talk was very informative and a lot of facts were given that were not commonly known. Many



Florence Power WA2WYE (l) and the speaker Amy McIlvane at the April 15th meeting.

questions were asked by the audience and the speaker did very well in giving good answers. She was well versed on the subject. Everyone enjoyed the discussion and learned a lot about the deregulated electric industry.

There were 28 present.

The Delaware Valley Chapter 5 held a meeting on June 17, 2000 at the Town & Country Restaurant in Bordentown, NJ. The luncheon started at 12:00 noon with Florence Power, WA2WYE, welcoming everyone and then giving the invocation. The sad news of the passing of Miriam Kravitz, KB2EUA, wife of Len Kravitz, KD2CR, who passed away back in November. Miriam became a silent key on May 5, 2000. The Chapter has lost two very good members. The minutes of the April meeting were read and approved. The treasurer was not present so there was no treasurer's report.

The speaker was introduced after the lunch had been finished by most and the speaker was Michael Broek, Public Information Officer for the Pinelands Commission of the State of New Jersey.

The Pinelands is located in the south central part of New Jersey and is a very sensitive area of the State because of the huge aquifer located beneath the surface and it is composed of close to a million acres of land. The land is quite flat with very sandy soil and only scrub pine, oak and cedar trees grow there. It is the most extensive pygmy forest of its type in the country. Forest fires are a real problem when the weather is dry and about 500,000 people live in the area in villages and towns throughout this vast area. Developments in the area are discouraged and there is a continuous problem in trying to maintain the status quo. The State's Department of Environmental Protection is working with the Pinelands Commission to acquire environmentally-sensitive lands with state and federal funding. In the pinelands are grown cranberries and blue berries with New Jersey ranking 3rd in cranberry

production and 2nd in blueberry production in the nation. The audience enjoyed the talk very much and a number of questions were asked and the speaker answered all.

Chapter 5 maintains a net on Sunday mornings at 9:45 on 3917 kHz and All members are invited to join in when possible. Also a home page for the Chapter is maintained by Doug Crompton, WA3DSP, and it can be accessed by <http://www.resuba.com/qcwa5>.

Don Field W2UAE - Secretary

Chapter 6, Pittsburgh

The April meeting was called to order by Secretary W3SVJ. Twenty-four members, friends and guests joined for brunch at the new meeting place, DiMartinos. Bruce, N3GHI, was given a round of applause for searching out and setting up the new arrangements.

There were eight certificates to be presented, two of the honorees were present the other six were mailed.



Ernie Baur W3UHP proudly shows his 60-year award. He also was awarded a certificate for 3rd place in the last QCWA QSO party.



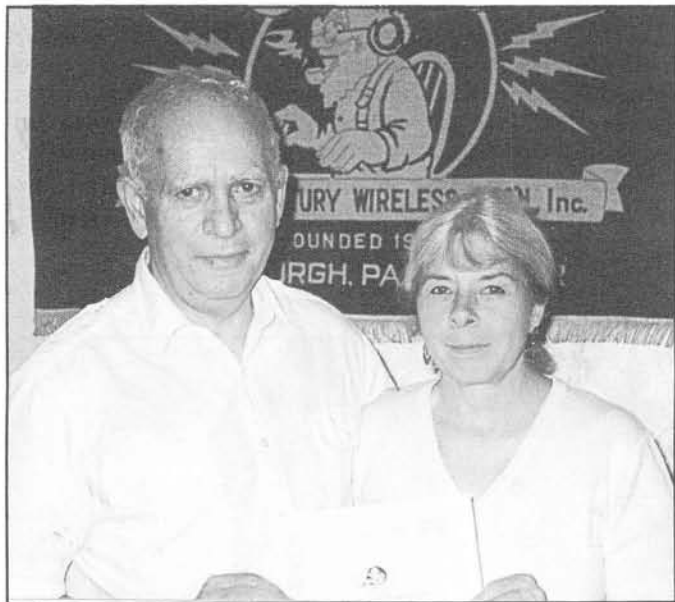
A surprise visit by Alice Nelson W3EXG.



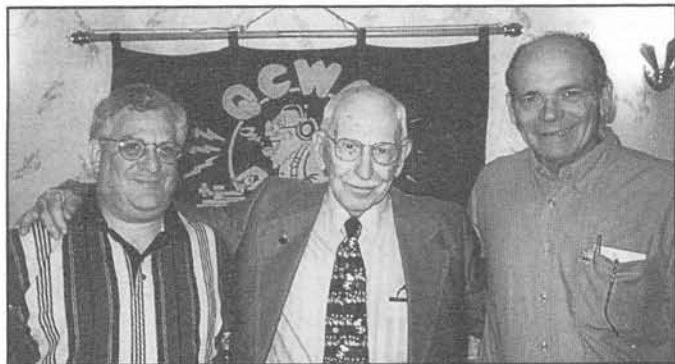
Brian K9VKY (l) and Seth KC3YE (r) laugh at a good "fourth estate" inside joke. Brian is the editor and Seth is the publisher of the "Pittsburgh Wireless", the newsletter of Chapter 6.

There was some discussion on the tabled motion regarding the chapter name change. It was suggested to hold the matter tabled until the June meeting when more "snow birds" would be in attendance.

We were pleased to have John and Rita Fleming, W3GQJ and N3HOB visiting from Detroit. John was a member of chapter 6 until business called for a QTH change to Detroit. A few antique radios were displayed and demonstrated with a some chuckles and maybe a fond tear or two. The April meeting was adjourned at 1500.



Buck Ruperto W3KH displays his 50-year certificate as XYL. Jane N3ERM looks on.



Left to right: Ted WN3BOJ, Tony W3YDP and Dave K3KEM.

The June meeting was called to order by Jack, K30TY, with 26 members, friends and guests present, a very nice turn out. With most of the active chapter members back in town a ballot vote was taken on the name change question. The motion did not pass. Art, W3WM, gave an explanation of the 5 chapter COOCOM mission and promoted the "Toronto 2000 Convention" in October. Mention was made of the late Fred Hammond museum and the excellent opportunity to visit it while attending the convention activities.

Newer member Ted Pinsker, WN3BOJ was introduced and a welcome was extended to all of the folks who had been absent from the Chapter 6 meetings for too many years.

Brian, K9VKY, displayed a wonderful collection of Vibroplex "bugs" and gave the membership a bit of history of these famous semi automatic keys.

The meeting adjourned at 1430. The next scheduled meeting will be on September 24th. Please contact Nate W3SVJ at 412-421-4658 or email via w3svj@juno.com for additional information.

Chapter 7, Southern California

Sunday May 21, 2000 Chapter 7 met at the Long Beach Yacht Club over looking the blue pacific. Members and guests began arriving at 10:30 AM for eyeball QSO's and refreshments of their choice. By 11:30 the brunch began. We had made to order Omelets, fried potatoes, fruits, muffins, champagne and blueberry blintzes. Ummmmm.

After this wonderful meal, we had a short meeting. The new officers for Chapter 7 are President Bill Hawley W6ZRZ and Secretary/Treasurer Vi Barrett W6CBA. Two new members signed up and several more applications were taken for prospective members.

After the short meeting we had the usual fantastic prizes that Bill W6ZRZ procures. The main prize was a GPS locator handheld. Our next meeting will be in the Fall.

Vi Barrett W6CBA - Secretary/Treasurer
w6cba@juno.com

Chapter 10, Michigan

The annual meeting of Chapter 10 was held at the Waterfront Restaurant in Cadillac, MI on May 6, 2000. The twenty members and guests preceding the meeting enjoyed a delicious luncheon. The chapter observed the passing of three members since the last meeting. An election was held and the new officers are: President, Mike Hall, WB8ICN and Vice President, Chet Witkowski, N8SJD. Reelected for another term was Secretary/Treasurer Beverley Stoner, K8ZJU.



Chapter 10 newly elected officers from left to right: Chet Witkowski N8SJD - VP, Beverley Stoner K8ZJU - Secy/Treas. and Mike Hall WB8ICN - President.



Currin Skutt W8FSZ receives 50-year Certificate from Beverley Stoner K8ZJU - Chapter Secretary/Treasurer.

Certificates were presented to Currin Skutt, W8FSZ, for 50 years of operation, and to Mike Hall, WB8ICN for outstanding service to the Chapter.

The annual picnic is scheduled for Wednesday August 16, at Kenwood Park in Cadillac at noon. Bring your table service, beverage and a dish to pass. We hope to see many there.

Beverley Stoner, K8ZJU, Secretary

Chapter 14, San Diego

At our May 21 brunch meeting We were pleased to present W.A.(Al) Simmons, W6MI, an award certificate commending him on the occasion of 65 years since first licensed. Al served in the U.S. Navy from 1934 to 1945. Al recalls that on all his various duty assignments, ham radio had a bad name with officers under whom he served. As an example, on Navy Day October 1936 Al



Al Simmons W6MI (l) receives his 65-year certificate from Pat Bunsold WA6MHZ - chapter president.

copied the Navy Day message to all radio amateurs from the Chief of Naval Operations and was later severely reprimanded by the executive officer of the heavy cruiser on which he was stationed and threatened with a court martial for getting involved with ham radio!

Our program featured Ed Clark of the National Weather Service, San Diego. The presentation was a sophisticated computer-controlled visual projected display that graphically showed effects of La Nina and El Nino on long-term forecasts and other interesting phenomena. One program, SKYWARN, involves alerting radio amateurs when threatening weather conditions exist. Weather information is available to the public on the weather radio broadcasts and through over 40 addresses on the Internet.

Reuben Onstad N6BAS - Secretary

Chapter 16, Arizona

The Barry M. Goldwater, Chapter 16 QCWA luncheon meeting was held at the Pine Cone Inn in Prescott, AZ on May 6, 2000. After an attitude adjustment period, George Chaet, WIRGH gave the invocation and lunch was served to 40 members and guests. After lunch, President Tom Worthy, W7YW led the introductions around the room and then presented the following awards: Bill Kafka, W2YAV, Century Club; Hal Wright, W9UYA, 65 year service award and Al Creighton, W7REJ, 60 year service award. Tom then introduced our guest speaker, Paul Playford, W8AEF. Paul showed some beautiful slides on his recent Dxpedition to Myanmar (Myanmar was formerly called Burma). The commentary along with the pictures was very interesting and impressive. Paul's group had 7 stations operating at full power on all bands and modes. They made over 80,000 contacts with 27,000 different stations during their stay. Our thanks to Paul for taking the time to share with us such a fantastic trip.

Lyle Brown, W7LGB arranged for the facilities at the Pine Cone Inn, which in my opinion were excellent. Thanks Lyle for a job well done.

Gerry Higgins W7ES - Secy./Treas.

Chapter 18, Findlay Area

The Findlay (Ohio) Area QCWA Chapter met for their quarterly breakfast gathering on Saturday, March 18, 2000 at the Woodland Restaurant at 317 South Main Street. President Jay (John) Edel, WN8HHJ presided over the meeting.

The following officers were re-elected for the 2000-2001 year during the meeting:

Jay (John) Edel WN8HHJ - President, Dick Davies K8IVP - Vice President, and Bill Kelsey N8ET - Secretary/Treasurer.

Dick Davies, K8IVP, gave a demonstration of a foxhunt antenna that he built with less than \$20 of parts from Radio Shack's new parts catalogue. Dick mentioned that the Findlay Radio Club has plans to sponsor additional fox hunts throughout the year and he wanted to "be prepared" for the next hunt. Some members thought the antenna would be a good evening project.

The upcoming Dayton Hamvention was discussed. Several members already have plans to attend.

The next Chapter #18 meeting will be Saturday, June 24th at the Woodland Restaurant at 9:00 a.m.

Hope you get this in time. Please let me know if you need any additional information.

Jay E. Edel - President

Chapter 21, Canton

The regular quarterly meeting of QCWA, Chapter 21, Canton, Ohio was held May 13, 2000, following luncheon at D. D. Stutz's Restaurant, Massillon, Ohio. There were 23 members and guests present.

It was noted that there was an experiment to send the newsletter by e-mail in an effort to reduce mailing costs. The chapter report for the Spring issue of the Journal was issued, but it was lost by QCWA Headquarters. This is the second time headquarters has lost our report. Messages were sent to the president and to the editor.

President Gizzi presented a service award to Joseph Vignos WIFEZ for his 60th anniversary of licensing.



Chapter president Phil Gizzi W8IIV (l) presents Joseph Vignos WIFEZ the 60-year anniversary certificate. Photo by Ed Clinger WA8DRT.

Nelson Caley W8EAR announced that a Liberty Ship on which he served will be on the Great Lakes this summer. It will be in Toledo, OH for repairs, then will go to Erie, PA and Cleveland, OH for tours and open houses in July.

Nelson Caley W8EAR introduced the program. Rudy Tekaucic, representing MAGI, Massillon Area Greenway, Inc., told us about the development of the Ohio-Erie Canal towpath trail and connecting trails. The area being developed runs now from Clinton, OH to the Tuscarawas County line then on to Dalton, OH. Eventually, it will be longer.

Door prizes were awarded. Members on the sick list are Roy Burckhart W8CZA, Larry K8RMV and Hilda Schmader, and Ray Scoville K8DEN.

Editor Joe Vignos WIFEZ will continue to look into sending the newsletter by e-mail.

David Glass W8UKQ - Secretary

Chapter 25, Nebraska

Dave Bowder, WAØUKE Vice President; and Dick Newsome WØHXL, President presented an award certificate to Bob Rudd WØEUT, #5281 for 73 years as a ham operator and the most tenured member of Chapter 25. Bob is 91 years old and a charter member of Nebraska Chapter 25.



Dave Bowder, WAØUKE Vice President; and Dick Newsome WØHXL, President presenting an award certificate to Bob Rudd WØEUT, #5281 for 73 years as a ham operator and the most tenured member of Chapter 25. Bob is 91 years old and a charter member of Nebraska Chapter 25.

Omaha hosts a monthly QCW A luncheon the 4th Thursday of every month. We have an attendance of 30 to 40 members at each luncheon. Milt WØFKG and Dorothy Krogstad are the driving force behind the success of the monthly luncheons, with their many phone calls as reminders to meet at the Old Country Buffet at 76th & Dodge Streets in Omaha.

Dick Newsome WØHXL - President

Chapter 35, Mid-Continent

QCWA Chapter 35 sadly acknowledges the passing of long-time member Cornie C. Miller KØAAA of Leawood, Kansas. Cornie was first licensed in 1936 as W9ZTC. He was a life member of QCWA, held membership number 06227, and became a Silent Key on June 26, 2000. Over the years, Cornie had many accomplishments to his credit. In the early 1940's, he worked as Assistant Chief Engineer for the Admiral Radio Manufacturing Company in Chicago where he participated in the design and installation of the first radio altimeter ever used on an airplane. His long time piloting experience came in very handy during this important development.

Cornie had many other interests during his lifetime. He thoroughly enjoyed finding some old gaso-

line engine at a farm sale and then rebuilding it for display at the Agriculture Hall of Fame in Bonner Springs, Kansas.

His other interests also covered stamp collecting and a wide range of music listening. Cornie was a first class machinist and had the necessary tools to prove it. He could machine any kind of part that you needed and he often said his machine shop kept him young.

Cornie spent many years with Western Auto Corporation as Vice-president of all merchandising and was on the Board of Directors for both Western Auto and Midland International Corporation. Last but not least, he was a proud member of the very elite Quiet Birdmen Organization. His smiling face and gentle words will be missed by all.

On the lighter side, some 15 to 20 members continue to meet twice a week for informal luncheons. Come join in the camaraderie and help swap lies. We are all "experts" on any known or unknown subject.

Wilbur Goll WØDEL - President

Chapter 37, Harrisburg

The Harrisburg, PA, Chapter 37, of the QCWA, will have its next meeting on Saturday, September 9, 2000, at the Bonanza Restaurant, Carlisle, PA, located at Exit #13 off Interstate I-81 at Carlisle, PA, at 11:30 AM. Any interested Ham is invited to attend.

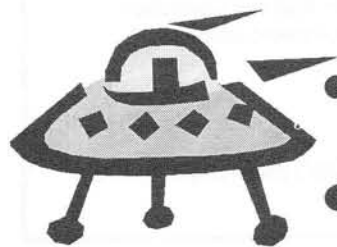
We are saddened to report that John P. Izzo, W3JIE, recently of Fayetteville, PA, became a SK on April 16, 2000. He was 79. He was a QCWA member and also a member of Chapter #37.

Chapter #37 meetings were held on March 11, 2000, and on June 10, 2000, with about 12 members and 1 guest present at each. President Marshall Stenger, W3KRM, presided. At one meeting, a discussion of a visit to Russia was presented, with a Russian AM/SW portable radio being passed around, and at another meeting, the Elecraft K2 QRP HF kit rig was shown to those present. "Show and Tell" is also popular with our group.

Chapter #37 also has a weekly QCWA Net on the local CVARC 2 Meter Repeater at 147.120, with Irv, K3IUY, as Net Control. The Net begins at 9:00 PM local time, and all are welcome to check in and join us. The Repeater is located near Chambersburg, PA, and covers most of the Cumberland Valley, including Harrisburg, PA.

Our Annual Christmas meeting will be held on Saturday, December 9, 2000, at the above location and time, and everyone is invited to attend.

Carl Morris WN3DUG - Secretary/Treasurer



**Chapter Reports to
Mothership
by
October 1, 2000**

Chapter 39, Akron

The meeting of Apr. 20, 2000 was held at Waterloo Restaurant at noon. There were 8 members and 7 guests present.

Before lunch Bill Hessler W8DXT, Sec'y-Treas, spread out a display of documents for attendees to look over, including the FAR scholarship letter and a thank-you letter from AMSAT for the kitty collections, which had been remitted. There were also fliers for the for Goodyear and Cuyahoga Falls hamfests, as well as tickets on sale for the latter.

After lunch and a short intermission Bill opened the meeting with the traditional introductions all around. We welcomed Gene Opperman KB8JOP as a new member. Next, the sick list reports - W8NYS was to have surgery for a broken hip; W8DIS was not feeling well; W8PBS was recovering from pneumonia.

Bill commented on the need for earlier reservations. He explained that, for this April meeting, the count at deadline time was not sufficient for us to get our usual private room; we got that only after adding the late reservations.

Next he gave a treasurer's report that showed cash balances of \$221.53 in the bank, \$1.35 in petty cash, and \$3 in the kitty.

In the course of discussion it was decided by vote to appoint Gene Cooke W8XL to be second signer on the bank account as backup for the treasurer. (The president traditionally had fulfilled that function.) It was also decided to allocate the kitty collection to the general fund.

The next meeting will be on July 20 at the same place.

The Kitty collection amounted to \$15.

Bill Hessler W8DXT - Secretary

Chapter 41, Dallas

The Dallas chapter recently held its formal Officer/Director Installation Dinner-Dance at the prestigious Bentley Oaks Country Club in Dallas. Installed were: Baity Bartel W2LQ, President; Charles Shaeffer W5ADH, Vice President; Bert Wells W5JNK, Secretary-Treasurer (re-installed); Directors: Richard Bauer K5RB (re-installed); Bill Courtney WO5T (reinstalled); Jack Floyd W5DXR and Bill Mueller W5VSD (new directors).

In an earlier not fully understood moment of magnanimity on the part of outgoing directors, the Fort Worth chapter was invited to share its officer/director installation festivities with that of Dallas but the Fort Worth chapter deferred noting that it had made a non-refundable deposit of twenty-five dollars on the meeting room of Hepps Facilitated Bingo Barbecue.

Chapter member Jim Haynie, W5JBP was recognized and congratulated upon having been elected president of ARRL. Jim attributed his election in part to his well known managerial and organizational skills attained and honed through the chapter's Executive Graduate Program (affiliated with the Wharton School

Toronto 2000 National Convention

October 13 – 15, 2000

Celebrating Radio's First Century

Hosted by Southern Ontario Chapter 73

THE PROGRAMS

- | | |
|---|---|
| <ul style="list-style-type: none">▪ The "Golden Kilowatt" Gerry King VE3GK will be presenting a forum on Antennas▪ An AMSAT forum will be presented by Executive Vice-President of AMSAT Robin Haighton VE3FRH▪ IARU President Larry Price, W4RA will share the latest developments arising out of the World Radio Conference WRC 2000 held in Turkey▪ Digital Radio is here. See how it works and sounds as several Toronto stations are now on the air.▪ New digital formats that require no extra hardware are here. Just a PC and your radio. Learn what and how to get on these new exciting modes.▪ An APRS forum will present an overview of the new use for packet radio. | <ul style="list-style-type: none">▪ Microphones from our past. Bill Graham VE3ETK will walk you through yesteryear with live microphones and an audiovisual display.▪ Broadcasting from the CN Tower. How one antenna is used with many high-power stations by Paul Edgley VE3PQ▪ World famous marine weather forecaster Herb Hilgenberg VE3LML will share some of his experiences. Even the Coast-Guard and Navy trust Herb over official reports▪ High-end kits are back and home-brewing is alive and well. Tony Fegan VE3QF reviews his experience building the new ELECRAFT HF kit and Chapter 73 President Earl Mann VE3EHM will show that serious Home Brewing is not a lost art.▪ QCWA directors host an Open QCWA Forum with the membership. |
|---|---|

Watch our web site updates
www.kwarc.org/qcwa2000/

HOTEL RATES

Rates for the **Delta Toronto Airport Hotel** have been set at \$115 Canadian. As of press time this was about US\$80.00. Free Shuttle Bus service between the airport and the hotel.

BANQUET

There will be a choice of Beef or Chicken for the Saturday evening banquet. Your preference to be stated on your registration form.

CURRENCY EXCHANGES

US currency is generally accepted at most locations however the rate of exchange will not be as attractive as you would receive at the bank. As of press time, each US dollar would purchase \$1.47 Canadian.

TALK-IN

2 Metre talk-in will be available during most drive times on the 146.985-.385 VE3SKY repeater. Listen for VA3QCW.

BORDER CROSSING INFO

US Citizens "may" be asked for proof of citizenship and therefore may require one of the following:

- valid US passport
- valid voter's registration card and photo ID
- a US birth certificate and photo ID.

For non-US citizens, a valid passport is a must along with a valid Visitor's Visa obtainable from the nearest Canadian consulate or embassy outside of Canada if they are from countries from which the Canadian government requires such a visa.

Handguns are strictly prohibited in Canada.

SPECIAL EVENT STATIONS

Listen for the Chapter 73 call **VA3QCW** throughout the year and **W2MM/VE3** during the QCWA QSO party Sept. 16-17.



CONVENTION HOTEL

The **DELTA Toronto Airport Hotel** will be the location for this year's National Convention and will provide us a comfortable environment for business and pleasure.

The Airport Delta is located just 5 minutes east of Pearson International Airport, adjacent to an 18 hole golf course, close to shopping malls, dining, other major attractions, and just 20 minutes from downtown Toronto.

Book your rooms early directly with the hotel:

Delta Airport,
801 Dixon Road,
Etobicoke, Ontario, M9W 1J5
Tel: (416) 675-6100
Fax: (416) 675-4022

To get the preferred rate of \$115 (Canadian), **be sure to mention you are with the QUARTER CENTURY WIRELESS ASSOCIATION**

Their web site is at www.deltahotels.com.

TOURS

Friday 10am to 5pm: A trip to Niagara Falls to tour one of the Seven Wonders of the World.

Saturday 1pm to 5pm: Tour of Toronto and a worms eye view of the world's highest freestanding structure. CN Tower

Sunday 9am to 4pm: A tour of the **NEW Hammond Museum of Radio**. Lunch at the Plainsman, home of our chapter meetings and then on to the Canadian Warplane Heritage Museum at Mount Hope (Hamilton) Airport.

REGISTRATION

We are now accepting registration by mail. To register, complete the following form or if you do not wish to mutilate your Journal you can print a registration form at our web site www.kwarc.org/qcwa2000/

The fee structure outlined below covers all refreshments at the morning and afternoon forums and the Friday Night "eye-ball" hospitality suite with a *cash-bar*. Funds for tours will be collected during the on-site registration. Please indicate your plans for any of the optional tours.

Toronto 2000 QCWA National Convention, October 13 – 15th Toronto, Ontario, Canada

Name: _____ Call: _____ QCWA # _____

Spouse/Guest: _____ Call: _____ QCWA # _____

Address: _____

City: _____ State/Prov: _____ Zip/Post Code: _____

E-Mail address: _____

EVENT	Qty	Cost Each	Enclosed
Member registration		US\$17.50 / CA\$25.00	
Non-member Spouse/Guest		FREE	
Banquet:: Chicken		US\$31.00 / CA\$44.00	
Banquet:: Beef		US\$31.00 / CA\$44.00	
I wish to take following tours			
Friday: Niagara Falls		US\$25.00 CA\$35	
Saturday: Toronto City tour		US\$15.00 CA\$25	
Sunday: Hammond Museum of Radio and Warplane Museum		US\$42.00 CA\$60	
Please reserve me a \$5.00 Convention 2000 Pin for pick-up at the door. (Check Box)		TOTAL ENCLOSED	

Mail cheques payable to **QCWA 2000**: 2129 Larabee Court, Burlington, Ontario L7P-3S3 Canada.

Convention Questions to the Chairman:

Earl Mann VE3EHM, 44 Hawkedon Cr; Etobicoke, ON,
M9W 3L7 or ve3ehm@rac.ca

Registration questions to:

Norm Freidin VE3CZI, 2129 Larabee Court, Burlington, ON,
L7P 3S3 or ve3czi@rac.ca

For late breaking information watch our web site at www.kwarc.org/qcwa2000/

of Business) which he states have been of immeasurable aid to him in his new position with the ARRL.

Luther Pully W5JIZ, chapter director of marginal protocol, led a reception committee to greet QCW A President Gary Harrison, K0BC and QCW A General Manager Jim Walsh, W7LVN upon their arrival in Dallas to attend Ham-Com.

Chapter member-retired 747 airline captains Hall Bond, K5ZSB (Branniff) and Jordan Jones, W5CF (Continental) who pilot the chapter's LearJet completed their recent evaluation of the newly introduced Boeing Business Jet (BBJ) at Renton, WA and will submit their findings to the chapter's Aircraft Acquisition Evaluation Committee (AAEC) in September. As a matter of note, the Dallas chapter has not always been on the forefront of technology; the acquisition of its first craft, a Howard, had been fiercely opposed by certain then-senior members who had little faith in the future of what they termed, the "flying machine."

The chapter is indebted to member Barney Moffatt, W5CJZ and xyl Lil who made the banquet hall of their home available for the June meeting with its catered 35-person sit-down meal while arrangements were being made for a new meeting location. The Moffatt home while seemingly spacious to non-Texans is typical in Dallas and, of course, of those of chapter members.

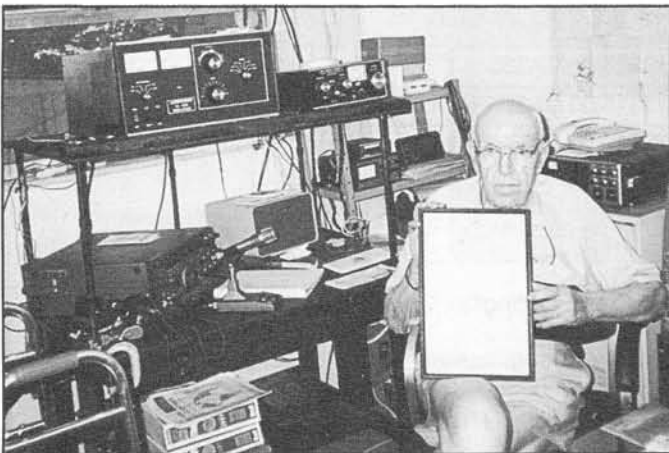
Bob Olney N5NT - Recording Secretary

Chapter 45, Citrus

79 YEARS PLUS

Merton (Mert to those of the amateur community who know him) Crichton of Winter Park, Florida is one of the true pioneers of Amateur Radio. First licensed as 8BRM in 1921 Mert has been an active Ham ever since. A DX confirmed total of 283 countries attests to that.

Station and operator licenses were issued separately in the early '20s. Mert obtained his operating license on April 23rd, 1921, signed by Herbert Hoover as Secretary of Commerce, and his station license, 8BRM on September 10th, 1923. These licenses are



Mert Crichton W4PGT at the operating position of his present station, holds his first station license issued September 10th, 1923. His call sign was 8BRM.

listed in the callbooks issued by the Department of Commerce for 1921 and 1923. These licenses were issued for a two-year period. The transmitter license is about 2 x 1-1/2 feet long and lists most of the current "thou shalt nots" in the Amateur Section of the FCC Rules and Regs.

The first receiver was the old classic, galena crystal and a wire wound Quaker Oatmeal box with a pair of headphones. The transmitter, as detailed on his station license, was a spark gap transmitter 200 "CW watts" operating in the band from 176 to 200 meters. This license was signed for the Secretary of the Department of Commerce, Bureau of Navigation division.

Today, Mert operates a Kenwood 950SD feeding a Amitron AL1200 linear with a MJF989C tuner. The antenna is a Mosley Classic 33 or a Cushcraft R5, which are a far cry from his first antenna, as listed on his first station license - a 5-wire Cage antenna 70 feet long and 60 feet up. The license does not specify, but the antenna was suspended between a tree and the side of the house.

His father, who was a telegrapher with Postal Telegraph, first introduced Mert to radio. Interested in electronics, in the evening at the kitchen table, he taught Mert and a friend the Morse and the Continental code. An early Elmer. From this introduction to communications Mert worked for 45 years with the Pennsylvania Bell System, from a start digging postholes, to a year of climbing poles attaching cross arms, to his retirement as a Circuit Layout Engineer.

Since his retirement, he has had more time to indulge in his hobby and is still very active. He regularly joins the "Old Goats Network" at 7:00AM to chat with his friends in Pennsylvania and elsewhere. As stated above Mert has 283 DX countries confirmed and is still hunting. He jumped into the pileups on the last DXpedition to Heard Island, made his contact and has the QSL. Also, one time when he was trying to work a very busy Ethiopian, the station told the pileup to stand by, he would only work PGT. Mert got his contact and has the QSL.

His interests are not confined to radio. On the dining table are three instruments. One, by use of VLF transmissions from the Bureau of Standards at Boulder, CO, gives him constant readings of the weather, wind, time, temperature, etc. A lightening strike indicator allows him to follow an electrical storm from as far as 40 miles away to right in his own back yard. A recording aneroid barometer traces a record of the pressure on a paper chart around a revolving drum. Each chart records the barometric pressure for 7 days.

One of the pride and joys of Mert's early radio career was a Benwood Synchronous Rotary Spark gap. This was enclosed in an aluminum shell with windows to view the action of the spark. The unit is still being used as a demonstration piece at a museum in North Carolina.

Chapter 45 has also recognized years of service to the amateur community by presenting a 50-year certificate to Frederick Thurstone, W4UXI and a 60-year

certificate to Harry Yust, W3GU.

The Citrus Chapter meets the third Wednesday of each month for luncheon at the Picadilly Cafeteria, 1840 East Colonial Drive in Orlando. We usually start lunch at about 11:30am and have our business meeting afterwards. All are welcome to have a get-together with us. The food is good, and the fellowship is warm. For information about the Chapter activities join our net on the repeater, W4PLA, 147.195 MHz, at 1930 hours local time each Tuesday.

Paul A. Turner WIDLP - Secretary

Chapter 48, Treasure Coast

QCWA Group Goes GERMAN



On May 2nd a small group of Amateur Radio Operators and friends slipped across the border to the small German Hamlet (for the night) of Sebastian. 23 hardy souls went to the Bavarian Restaurant called Hurricane Harbor and frolicked and ate for hours. All enjoyed bratwurst, knockwurst, red cabbage, potato pancakes, schnitzel, ham hocks and other tasty German morsels. A two-person OOM PAH band played, sang and rang the bells for us. Ending the night with apple strudel we slipped quietly back to the real Florida world..

Treasure Coast Chapter 48 is busy working on other daring ventures.

K4EBK - Secretary/Treasurer

Chapter 53, Suncoast

Attendance remained steady at our monthly luncheon-meetings during the Spring months, but our "Snowbird" members had rather well taken wing by May.

Following the April business meeting, we enjoyed an ARRL video entitled a "1935 Tour of the ARRL Headquarters" that brought back memories of those days. There have been as many changes in office equipment as there has been in our radio equipment over the past 65 years!

The program in May was a presentation of slides showing some highlights of Jakarta/West Java, Cairo/Aswan/Sinai, and Bataan/Corregidor taken by Jack Sproat, W4JS, when he was working in or visiting those areas of the world.

The Suncoast Chapter has a luncheon meeting the first Thursday of each month—October through May—at Denny's, 3701 Bee Ridge Road, Sarasota. June through September, we have an informal lunch the first Thursday at The Half Baked Cafe in the Bird Bay Plaza, 750 US 41 Bypass, North Venice. All QCWA members in the area are always welcome!

Jack Sproat W4JS - President

Chapter 64, El Paso

We shared our April meeting date with the final license upgrade testing day so attendance was down (for us) but eight of our members were very happy at the end of the day as they had successfully upgraded their ham licenses. Congratulations.

Dale Bragdon, K4BHL, our newest member, joins us from Las Cruces, NM. Welcome, Dale.

When I reported Bob Reed, WA2ZOU, as a new member in the summer issue of the Journal, I mistakenly demoted him in rank. Bob is a CWO and I want to give credit where credit is due. We appreciate your service to our country, Bob, and I apologize for my error.

It was a sad day for our chapter as we gathered again at Ft. Bliss National Cemetery on June 15 to bid farewell to Tisha Young, W1NUO. Tisha was first licensed in 1941, served as a director of our chapter, and was awarded 50 and 55 year QCWA operating awards. Tisha and Norm, WIHX, moved here from Melrose, MA to be near their daughter and her family. Norm has been a resident of Monte Vista Home for some time and will sadly miss Tisha's daily visits. Our sympathy to Norm, Claire and their family. A memorial gift to the QCWA Scholarship Fund has been made in her honor.

Chapter 64 issues an invitation to QCWA members, near and far, to join us at our breakfast in connection with the annual Hamfiesta. We will meet at Carrow's Restaurant, 9135 Gateway West, at 8 a.m., Sunday, October 29. For further information on the Hamfiesta, see the web page at <http://www.hamfiesta.org> Stop by our table in the exhibit hall at the Ysletta Cultural Arts Center, October 28 and 29, 2000.

Our annual potluck picnic will be held on Saturday, September 23, 2000 at 5 p.m. at the home of our secretary/treasurer, Manny Gonzalez, W2BFI, 6369 Monarch Dr, El Paso. Mark your calendar.

Jean Carlson, KØZRD, President

Chapter 65, Niagara Frontier

We are saddened by the passing of member Norm Jones, KD2KK on March 15, 2000.

We are also saddened by the death of member James Waldron, K3GQX on June 5, 2000. Jim was an amateur for 42 years and was a Director of our Chapter 65. He was a WW2 Navy veteran. Jim managed his own business, UN-TENNA CO.

Ann and Ray Ernst, W2TAX celebrated their 70th wedding anniversary in July! How wonderful!

On June 17th K2FJ Ken and Ann celebrated their 50th wedding anniversary. Ann's father Rev. A.A. Luther married them in North Collins.



Ann and Ray Ernst W2TAX celebrate their 70th wedding anniversary.

Remember to check into our Chapter 65 net on 3900 kHz at 1330 local time every Sunday. Everyone is welcome to call in to Net Control Tom W2QI using our Club Call W2SD.

Ken Palmer - Secretary

Chapter 70, National Capital

Carl Everson VE3BYX was active in many aspects of Amateur Radio! During the last quarter century, Carl would be editing local club newsletters, working on projects for the Radio Amateurs of Canada, tending to communications for ski marathons, working on the executive of Chapter 70 where he's listed as a founding member, or numerous other Amateur Radio activities. The Meritorious Award is a small recognition of his sustained contribution to our hobby. Carl's unexpected passing as this award was being organized resulted in its posthumous presentation to his wife Barbara. Carl we thank you and we miss you!



Barbara Everson being presented the Meritorious Award for her late husband Carl Everson VE3BYX by Chapter 70 President Jim Dean VE3IQ.

Experimentation is alive and well with Larry Kayser VA3LK. Larry explained to the Chapter 70 membership at a recent meeting, how a low frequency LF 1 watt signal was sent and copied many times over a distance of 1600 miles using BPSK (binary phase shift keying) and a computer's ability to encode and decode a signal. Low frequency allows much more stability although weaker signals. Sometime this fall, Larry will be leading an expedition to Newfoundland, when, with the use of visual cw, BPSK, the next generation of visual software, DFCW, FSK, synchronizing to GPS satellites and receiver bandwidths as low as 5 millihertz, a weak signal will be sent across the north Atlantic using low frequency LF, to be received on the other side. A 10, 5 or 1 bit per second phase shift keying will be used. The computer will sort out 24 bit words out of an extended sequence, trying to find a matched pattern. It goes from about 40 megabytes down to about 2 when the computer finds a legitimate sequence. Good luck Larry!

And what will you be doing this fall? Hopefully attending the QCWA Convention in Toronto! See you there.

Joan Powell VE3ZC - Secretary /Treasurer

Chapter 73, Southern Ontario

President Earl Mann VE3EHM opened the meeting about 10:05 AM on May 6/2000 at The Plainsman Restaurant on Hwy # 5 in Dundas with a total of 80 members and guests present.

Pres. Earl welcomed every one and introduced special guests Mr. Ken Hammond Sr. (Brother of the late Fred Hammond VE3HC) & his wife Fran, Noreen Irwin, Curator of the Hammond Museum of Radio & John Hann VE3LKH

A moment of silence was held for the silent keys, who passed away since our October '99 meeting: Member Fred Hammond VE3HC and previous QCWA Members Elvin Veale VE3NZ, Joe Jordan VE3AID, Gwen Burnett VE3AYL

The following New Members, several of whom were present, who joined since last October were welcomed by Pres. Earl: Robert Jacobs VE3CJW, Tess Hardie VE3HIR, Bill Hardie VE3EFX, Jack Holmes VE3HKJ, Ann Nutter VE3HAI, Barc Nutter VE3HAH, Ron Gimbel VE3DBD and Jean Gimbel VE3CBQ. Bob Abell VE3XM also joined in January.

Harold Braun VE3DWH Sec/Treas. gave the financial report indicating total assets are 5173.85 as of Feb29, 2000. He explained that postage costs were higher because of the "Name Change" ballot mailed to all members in December '99.

The Sec/Treasurer reported that the proposal to change the name of the Chapter to the "FRED HAMMOND Chapter 73" received following the death of Fred Hammond last November had been voted on by the members via a mailed ballot and was approved unanimously. 129 ballots were mailed, 103 were returned, all in favor of the change. A motion made by Paul Cassel VE3SY to ratify the name change was ap-



Taken at the chapter meeting that approved changing the chapter name to the "Fred Hammond Chapter 73", left to right: Earl Mann VE3EHM - President, Noreen Irwin - Curator of "Hammond Museum of Radio" at Guelph Ontario and Mr. Ken Hammond Dr. - brother of the late Fred Hammond VE3HC.

proved. Final ratification by the Board of Directors is expected at their meeting in Toronto on October 12th at the convention.

Pres Earl announced that because the Chapter is hosting the International Convention in October, there would not be a regular meeting at The Plainsman in the fall.

The current executive's second two-year term was to end today. There was no report from a committee as such, but the executive has formulated a plan whereby Earl Mann VE3EHM will continue as President at least thru the current calendar year. Harold Braun VE3DWH will continue as Sec/Treasurer until Dec 31, 2000. Keith Bentley VE3DHL will become Sec/Treasurer effective Jan 1, 2001. This proposal was ratified on a motion by Jim Thompson VE3BCA.

HAMMOND MUSEUM UPDATE

Harold VE3DWH reported that assisting with the operation of the Museum has become a project of the Chapter and that a number of members have volunteered to act as guides at the Museum on Saturday afternoons starting next Saturday. The Museum will be open Saturday afternoons from 2:00 pm - 4:00 pm during the coming months. The VE3HC Memorial Station will be on the air as much as possible during these periods. The station is capable of operating all bands, 40 thru 10 Meters at present a 75 Meter dipole will erected as soon as possible.

Mr. Ken Hammond Sr. (Fred's brother) spoke, conveying the thanks & appreciation of the Hammond family in recognizing Fred by changing the Chapter name.

Harold Braun read several tributes to Fred from the web page, which were received from all over the world at the time of his passing. There are over 27 pages of tributes, still accessible on the web page. Several members spoke of their own anecdotes of assistance Fred had provided over the years.

Noreen Irwin (Curator of the Museum), read a letter from Fred's sons Robert & William expressing their

thanks & appreciation for the name change and the assistance from the Chapter members in the operation of the Museum. Noreen added her own comments of thanks & indicated 450 - 500 visitors have already been thru the Museum since it opened last October.

IARU

Tom Atkins VE3CDM reported on the recently held Telecomm 2000 in Brazil, which IARU attended. There were about 28,000 in attendance from some 25 countries. This was only the second time IARU had attended Telecom.

April 18th marked the 75th Anniversary of IARU

WRC-2000 will begin in May in Turkey & is expected to last a month.

IARU remains committed to having 7,000-7,300 available to amateurs worldwide.

QCWA

Croft Taylor VE3CT Vice-President reported: -

-Association in good financial shape

-A new endowment fund, started by an anonymous member will provide funds to the general operating funds to minimize any future increase in membership fees. Donations to the fund will be matched \$1.00 for \$1.00 from the donor's fund.

-He urged members to consider qualifying & applying for the various Certificates available such as the QSO Party, Worked 100 members or Worked 60 Chapters.

-Members will receive ballots to elect the Board of Directors for the next term shortly. Croft asked for support during the election.

Headquarters is now set up to use Visa/MasterCard for Membership Services, such as Membership fees & supplies.

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With Pockets

President Earl asked members to read the information regarding the Endowment Fund in the last issue of the Journal & come prepared to vote on a proposal regarding the Fund at the next regular meeting.

George Roach VE3BNO, Canadian Director urged members to support the Convention Committee by sending in their reservation form in now to attend the convention in October. He also indicated he will be a candidate for re-election in the up coming election and asked for members support. He described the need to support the RAC "Defence of Amateur Radio Fund, (DARF) to assist RAC in sending a delegate to WRC 2000 being held in May in Istanbul.

RAC

In the absence of Dana Shtun VE3DSS, Pres. Earl spoke briefly about RAC.

He recommended support of the DARF & indicated comments regarding the possibility of lowering of CW qualifications in Canada be sent to Dana.

2000 Convention

President Earl reported in considerable detail of the status of plans for the Convention being hosted by the Chapter at the Delta Airport Hotel Oct 12-15th. The Board of Director's will meet at the hotel on Thursday Oct 12th and convention will begin with forums on Friday Oct 13th and Saturday Oct 14th. The banquet will be held Saturday evening. The convention will conclude with a bus trip to the Hammond Museum on Sunday morning with a stop for lunch at the Plainsman Restaurant and an afternoon stop at the Heritage Warplane Museum in Hamilton.

The Master of Ceremonies at the banquet will be Ron Nickle VE3SF and guest speaker will be Larry Price W4RA, President of IARU. A dissertation regarding the late Fred Hammond's efforts, along with assistance from Martin Rosenthal VE3MR and Tom Wong VE7BC in re-establishing Amateur Radio in China is being planned. Complete details and a reservation form will be in the summer issue of "The Journal" or visit the web site <www.kwarc.org/qcwa>

Before adjourning for lunch a container was placed at the door for donations to the DARF for those who wished to make a contribution. A total of \$125.00 was collected for DARF, which will be sent to RAC next week.

The next meeting will be held on May 5, 2001 at the "Plainsman Restaurant" beginning at 10:00 AM.

The meeting concluded with a drawing of some 60/70 door prizes. Approximately 1/3 of the prizes were donated back to the Convention Committee to be used as prizes at the Convention.

Harold Braun VE3DWH - Sec/Treas. Chapter 73

IMPORTANT FACT



Bats always turn left when exiting a cave.

Chapter 75, Central California Coast

Our spring luncheon was held on April 15 at the Maria Del Sol in Santa Maria. We had a buffet with plenty of delicious food for everyone. The highlight of the day was the presentation of a plaque to Phil Amborn W6PA for 75 years in Amateur Radio.

An election was held with Roger Vore K6YNY chosen as President and Jim Palmer W6FOB as Vice President.

After lunch, Jim W6FOB gave a very interesting program. His topic was how we receive broadcast radio when driving thru highway tunnels.

Jay Luster W6QHD - Secretary

Chapter 77, Northern New Jersey

Your chapter 77 Secretary/Treasurer apologizes for missing the last QCWA national journal deadline. I'm hoping you will all come to our next bi-monthly luncheon at Mario's Restaurant and chew me out. If that isn't enough encouragement to attend, you will be interested in the lineup of speakers we have on the agenda. By the time you read this, you will have missed our annual July picnic in rifle camp park. This year we featured a troop of death defying flying ants swinging perilously from hoagie to salad to chocolate donut (not !!!!). In August, Greg Nitkowski, N2BSA from NJDXA gave us a peek into that organization. Our Saturday meeting on October 21st will feature the Hudson division director, Frank Fallon, N2FF. Rounding out the year of 2000 will be one of your chapter's newest members, Rich Moseson, W2VU, and Editor of CQ Magazine. What more can I say? In June we had a really special luncheon. Our speakers for the day were Elena and Lara Madsen, a mom and daughter team from the



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Left to right: Jan Scheuerman KJ4N - Secretary Edison Chapter 196 and member of Chapter 77, Lara Madsent with puppy "Trina" and Elena Madsen - trainers for Seeing Eye

seeing eye of Morristown. They brought along puppy Trina. These ladies have the task of training puppies from the age of eight weeks until two years, preparing them to enter the seeing eye -big school- like all of us in life, not every puppy makes the grade. For various reasons, mostly temperament, only about 75 percent makes it to the big time. They are specially bred for the job. The cost of puppy to recipient is about four grand. Recipients are charged \$150 and provided with training themselves. The 25percent of pooches that don't make the scene go to good homes for about \$200. Imagine getting a thoroughbred dog, well behaved and potty-trained for \$200. I'm a cat person myself and wouldn't want one.

Your NNJ Chapter 77 has lost a few of its beloved members. Since the year began Ralph Klrchberger, W2GHO, Lee Carlton, W2PTZ, Roy Forbes, K2OMS and Captain Carl Felt Jr. N2XJ have become silent keys. Those of us who knew them personally will mourn their loss even more.

My brothers and sisters treasure your friends and loved ones. Don't wait to say "thanks" or "I love you". Let them know how very special they are to you before it's too late

Gene Fillponi AG2R - Secretary/Treasurer



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Order one of the
spiffy new
QCWA
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Chapter 81, Long Island

Our chapter celebrated its 25th anniversary this past April. President Marty Miller, NN2C, welcomed the 34 guests to this auspicious occasion. Door prizes were given away and all had a delicious meal. During the meeting, George Johnson, AC2O was presented with his QCWA Century Award. Immediately following the award presentation, our speaker, Rich Moseson, Editor of CQ magazine, honored us with a presentation about the past, present and future of Amateur Radio. After Rich finished his presentation the meeting finished up with a talk from our own QCWA member and ARRL Hudson Division Section Manager, Frank Fallen, N2FF. He urged all of us to support the amateur radio antenna Bill in our state legislature. This Bill will affect all amateurs in New York State.



The QCWA Century Award is presented to George Johnson, AC2O (left) by President Marty Miller, NN2C (right)

As I write this report, it is the middle of June and many of our members are preparing and looking forward to participating in this years ARRL Field Day. There will be many members operating with many of the Amateur Radio Clubs here on Long Island.

At our June meeting scheduled for the 27th we have a wonderful demonstration planned. A high voltage presentation with Tesla Coils should really have the sparks flying.

Dan Manfre, WA2NDP - Secretary



Things work out best for
those who make the
best of the way things
work out.

Chapter 91, Vic Clark

MAY 2000 BUSINESS MEETING

Twenty-six members and guests met at Neighbors Restaurant in Vienna, VA, on May 27. President Lew Bradley, W4SWP, presided.

ANNUAL AWARDS PROGRAM

The following certificates were presented:

80 years since first licensed; presented by Lew, W4SWP: Charles "Con" Concannon, K4RQ. Con's award indeed is a rare one: his is only the ninth ever awarded by QCWA, Inc! This certificate was mounted on a beautiful wooden base hand-crafted by QCWA's general manager, Jim Walsh, W7LVN. Jim indeed is a master at working with wood!

Century Club award (age + time in QCWA = 100 years); presented by President Lew, W4SWP: Thomas E. (Jack) Bobbitt, W4HV. Lew noted that Jack was first licensed in 1934, at age 16.

60-years since first licensed; presented by past National President Jack Kelleher, W4ZC: John Swafford, W4HU, who was first licensed in Kansas in 1940 as W9KRC Dale Harris, W4DM, who was first licensed in Wisconsin in 1940.

65-years since first licensed; presented by VP John Johnston, W3BE Bob Cannon, W4IGO, a charter member of Chapter 91 Elmer Jones, K4EUX, who was chapter President during 1986-1987; prior to that, Elmer held all other chapter offices.

Johnston noted the significance of being licensed in 1934: Hiram Percy Maxim still reigned at the ARRL and the FCC had just been founded by the Telecommunications Act of 1934. Johnston noted Jones' exemplary service with the Tuskegee Airmen.

SILENT KEY

We were saddened to learn of the recent passing of member Milt Snyder, W4AWL. Milt passed away on 24 May, just a few days before this meeting. Milt was to have received a 70 years since first licensed award at this meeting.

MERITORIOUS AWARD

Terry Hines, N4ZH, our immediate past President, was pleasantly surprised by President Bradley with the QCWA, Inc, Meritorious Award. Terry has been a strong force in increasing our chapter's involvement in the community, regular bi-monthly field trips, and Field Day participation.

FEATURED SPEAKER

VP Johnny Johnston, W3BE, introduced Bill Cross, W3TN, of the FCC's Wireless Telecommunications Bureau, noting that Bill has been licensed for 31 years.

Bill was a speaker at the Dayton Hamvention, and told us of several signs that amateur radio is alive and well. He updated us regarding happenings at the FCC from his perspective and noted that, in contrast to the days when John Johnston (W3BE, our VP) headed the division which handled the Amateur radio service, this division is now down to just two people, including Cross, and these two are working only part-time on Amateur issues.

Bill provided many details of other issues; we wish

there were more space available here to share them.

AUCTION

We auctioned a Datong audio filter donated by Elmer Jones, K4EUX, and a 1945 ARRL Handbook donated by Howard Bullock, W4LBM. Elmer also donated a 40-m wide-band "Snyder dipole" antenna to Chris Ramsey, N4YE, to replace his ailing 40-m antenna.

ANTENNA-RAISING PARTY

By Dick Rucker, KM4ML

Member Chris Ramsay, N4YE, was looking for a 40-meter antenna to complement his 80-meter end-fed Zepp, plus a crew of folks to help him put it up. Elmer Jones donated a brand-new Snyder antenna for Chris.

Bud Caron, Frank Haynes, Al Cammarata, and Dick Rucker set to work among the tall oaks behind Chris's townhouse. Bud cleared a space between a pair of trees while Dick and Frank manned the sling-shot.

The job was done in a few hours. Chris did a comparison and said that he could tell the difference on 15, with the Snyder being better. Chris really was happy that the Snyder was flat all across the band, with a nearly 1:1 SWR at the CW end of 40.

QCWA ELMERING PROGRAM

By Terry Hines, N4ZH

In late April, Terry Hines, N4ZH, and Dick Rucker, KM4ML, met with four members of the Robinson High School Amateur Radio Club and their sponsor, Ms. Sandy Tarte. Matt Sherburne, KF4WZB, President, and Chris Kim, HL1VPG, are the only two licensed hams and Brittney Brewer and Erin Fuller are interested in becoming licensed.

Currently we are assisting in getting an HF station on the air. The students need a 12V 20A power supply. Do you have a spare supply you would loan the students-or one they can keep-until they get one? If so, please contact Terry at <N4ZH@juno.com>.

FIELD TRIP TO NRAO AT GREEN BANK WV

By Jim Wilcox, W3WV

Our trip to Green Bank WV to visit the National Radio Astronomy Observatory (NRAO) was a huge success. The main attraction was the Green Bank Telescope (GBT), the largest radio telescope in the world. We were so very honored to have Wesley Sizemore, NRAO's National Radio Quiet Zone manager, as our guide. NRAO has the only mandated RF quiet zone in the world. We also visited other area attractions, such as Cass Railway, Pearl S. Buck's birthplace, and Patch Adams' hospital.

The 15 who went on the trip are: Lew and Marolyn Bradley; Frank and Mary Brooks; Bud Caron; Ray and Joan Johnson; Dick and Claudia Rucker; Bill Scholtz; Jim Wilcox and Judi Booker; John and Betty Johnston; and Frank Haynes. Did they have a good time? Well, here are some of their comments (heavily edited-space, you know).

Dick Rucker, KM4ML: Claudia and I went to see the view from atop Snowshoe Mountain. While the clouds were still dark in our vicinity, off to the west the sun was just breaking through some thinner clouds.

We counted six mountain ridges, all lit by diffuse sun-

light from behind and above. Each stood out in silhouette in a different shade of purple. We stood for a while in awe and remarked on how beautiful it was.

Lew Bradley, W4SWP: The tour through NRAO was truly excellent; it's a close call to rate it above the trip up the mountain on the Cass Railroad. We were concerned that Jim (W3WV) who was riding in the cab of the Shay steam engine, would push the wrong button or fall into the fire box. We really enjoyed the camaraderie with our fellow members. Sure glad we did this.

Bill Scholtz, W3HXF: The NRAO tour was super. My favorite was the Quiet Zone Coordinator's experiences. Bud [W3TNQ], Frank [W4NUA], and I went to the top of the Snow Shoe resort and saw an amazing amount of wood decorated development.

John Johnston, W3BE: We enjoyed our visit to Beartown State Park. The name "Beartown" comes from the legend that colonies of black bear once inhabited the house-sized stone formations which form the maze of this natural area. Wind and rain have eroded deep crevices in an eerie fashion, almost as though they had been carved with a special purpose in mind.

Judi Booker, K3HB: One highlight was watching the butterflies dart from flower to flower as we chugged by on Cass Railroad. I loved the rolling meadows of the higher elevations of the trip. Another was being able to stand so close to the GBT. This view really helped me appreciate what this \$75 million, 16-million-pound construction experiment is about.

Jim Wilcox W3WV

Chapter 100, East Georgia

The chapter held its June dinner meeting at a local seafood restaurant. There were 27 members and guests present.

Because there were members who had missed several meetings the president made them aware of the passing of one of its members W4IEB, Snooky. Then there was mention of those who had a birthday in the month of June. One member, Frank Thomas, W4QDM, was present and asked to come to the floor. The President then presented him with his 50 year continuous license certificate and pin. He was asked for a few words.

The president then proceeded with the rest of the program which consisted of the trip into West Virginia, namely the Green Bank area. He first told them of the former US government relocation facility at GreenBrier Hotel in White Sulphur Springs. At Green Bank there was a tour and presentation of about an hour. They explained what was accomplished, how they did it and with whom they did their research. A tour of the antenna field was next. It was mentioned that the new and largest antenna, 16 millions pounds of it would be available for use this year. It is the largest antenna in the world and visible from many different places. Pictures, post cards, newspapers and a book on Pocahontas County with the information in it was passed around for all to see.



Frank Thomas W4QDM is presented with his 50 year continuous license certificate and pin by the chapter president Don Anderson K4PSW.

The program was welcomed and thought to be very interesting by all. The meeting was adjourned.

Donald R. Anderson K4PSW

Chapter 102, Dakota

For those chapter members who do not know, Al Gowan, WØLX was a civilian instructor and a supervisor at the Army Air Corps Radio School here in Sioux Falls during WW II. They have just opened a small room at the Old Court House Museum with some displays and information about that period of Sioux Falls history. There was a feature story about it in the local paper.

Roger Kehm, KØROG took Al down there to see the exhibit. Roger called ahead and the person in charge escorted them and was most interested in hearing Al talk about those days. She was also interested in the possibility of getting some oral history about the Radio School from Al Gowan. WØLX really enjoyed the hour and a half he was there, viewing and talking.

Our chapter's Black Hills area VE team members precipitated in a VE test session in April, which turned out to have a very large attendance. This was due to everyone upgrading under the new FCC rules, which became effective April 15th. Lots of new Extra and General class licenses earned.

Some of our members attended the Midwest/Dakota ARRL Division and Iowa State QRP Convention (Hamboree 22) held at the Marina Inn, South Sioux City, Nebraska. At the QCWA luncheon, Chapter 102 President Frank Shaw, NUØF presented to Dave Dekker, KØERM the chapter's Traveling Trophy for the most contacts during our WØDAK special event operation held last February. He gets to keep it until next year until our next special event. Other chapter members attending the luncheon were: Roland Cory, WØYMB; Frank Curtis, WØVQC and Al Belk, WAØYRI.

Chapter 102 member Roger, KØROG were among the Black Hills area hams who furnished amateur radio communications for the annual Crazy Horse Memorial Volksmarch which is located near Custer, South Dakota. It is estimated that 12,418 walkers participated in the two-day event. This has become an international event and is the largest Volksmarch in the world.

The Mobridge, SD Amateur Radio Club sponsored our chapter's June 24th meeting in their City and invited us to participate in their field day activities. This included a buffalo burger barbecue and picnic. The food was great, nice folks to visit and all had a good time. We wish to thank the ham club members for making our stay pleasurable experience. During our meeting the current chapter officers were re-elected.

Who's Who in Chapter 102

Roland Cory, WØYMB, QCWA number 14432.

Roland was first licensed as a ham in 1941 while in high school and had to shut down his station for the duration of WW II. On completion of high school went into the US Army until the end of the war. His duties were varied while in the military. He did maintenance work on tank radio in the 745th Tank Bn., which was attached to the 1st Infantry Division. He maintained the radio equipment in the 17 tanks in his unit. His unit saw "geography" from Belgium to Czechoslovakia by VE day.



Roland Cory WØYMB at his station

He did tank guard duty at the Palace of Justice for the war crimes trials. While there he made a home brew 20-watt ham station and with the German call of D4AHL worked stateside stations, "But did not get a South Dakota station". While stationed in Biarritz, France he attended the Biarritz American University while working on the Armed Forces Radio Station. The antenna was a long wire on the Bay of Biscay that required returning each time the tide went in and out.

After the war and Stateside, Cory attended Northwestern Vocational School in St. Paul, Minnesota. He studied 2-way Radio, Broadcast Engineering and Television. He also took the Class B and A amateur test at

the FCC office in St. Paul. Cory kept his YMB suffix when the area went to the 10th Call District. The Class A became Advance Class and he later went on to earn his Extra Class.

When he completed his schooling, he returned to his home in Mobridge, South Dakota and opened his own 2-way Radio Shop. Along with his business, he did the installation of the local broadcast station equipment and continues contract work for 4 broadcast stations in the area.

He is active in various nets, enjoys QRP and works mostly CW with some SSB. His current station consists of the Kenwood TS430 and a Kenwood TS820 (backup). A 50-foot tower with a 3-element beam and a 3-band vertical are the antennas at his station.

WØYMB served 2 terms as the South Dakota Emergency Coordinator and from 1986 to the present is the ARRL South Dakota Section Manager. His wife Helen, has the amateur call of KAØHMH and they both are active as they attend many meetings and conventions in his official ARRL capacity. Just to make things interesting he is also a Mobridge City Councilman. It can be said they are Good Hams, Good Friends to all and Nice "Folks".

Roger Kehm, KØROG - Vice President

Chapter 110, Kansas

The Kansas Chapter of QCWA met at Coyote Canyon in Salina June 10th. The business meeting dealt with plans to set up a booth and meeting at the Kansas Convention in Salina August 27. The Kansas Convention will be the only hamfest in the state this year. It will be held in Salina Bicentennial Center with an air-conditioned flea market and excellent meeting rooms. The ARRL forum will lead off the meetings. The Kansas Amateur of the Year will be recognized. QCWA members who have won this award in years past include WØWXY, WØBVM, KØTQ, WØNBT, NØKL and WØTQ.

73 to all and hope to see QCWA members from Kansas and surrounding states in Salina August 27!

Wendell Wilson WØTQ

Chapter 111, Palm Beach

Attendance at our luncheon meetings is thinning out due to the departure of members returning to their permanent homes back up north. We are sad to report that the name of Eleanor Mayernik has been placed on the roster of Silent Keys alongside that of her husband Frank Mayernik, W2ASM.

Since many of our members are veterans, a guest speaker from the new Veteran's Administration Hospital in West Palm Beach honored us. Mr. Rick Semprum, Volunteer Services Specialist, spoke about the mission of the hospital and described some of the services that are available. He also took questions from the audience.

Our most recent guest speaker was Mr. Ron Bair, a Civil War Historian who appears costumed as General Ulysses S. Grant. He presents an interesting likeness



Chapter VP Henry Relton W4UJ on left is shown with Mr. Ron Bair a-k-a General Ulysses S. Grant, a recent guest speaker.



Guest speaker Rick Semprun on left with former chapter president Forrest Haynes K4YPO.

to the General. His talk was very interesting, extensive and well appreciated by the audience. He answered many questions from our group.

Former Chapter 111 presidents Bob McDow W4KOG and Forrest Haynes K4YPO send their regards to all their QCWA friends.

Angelo Tagarelli W2TVE - President

Chapter 112, Yankee

The Yankee Chapter annual meeting was held on April 29, 2000 at Dewey's Restaurant in Lakeville, MA with thirty-five members and guests in attendance. After our meal, the President, Ernie Bosselman, W1DO, called the business meeting to order. The first order of business was election of officers for the 2000-2001 term. The new President is Fred Ravens K1QLG; Vice-President, Charles Lukas W1DOH; Secretary/Treasurer,

Chuck Walbridge K1IGD; Activities, Chet Tammany K1ILL; Net Control, Dave Rego W1GCA; and Sunshine Fund Administrator, Joe Santangelo, N1JS.

The members also approved the donation of \$25 to the QCWA Scholarship Fund in memory of Dave Winter W2AUF.

Service awards were awarded to four of our members by the new President, Fred K1QLG. Those receiving awards were: Harry Pierce, W1SXU for 50 years; Robert Smith, W1XRA for 55 years; Robert Wallace, W1HH for 60 years; and Waldo Clark, W1JCI for 65 years. Congratulations to these members!



Chapter President Fred K1QLG (l) presents 60-year Award to Robert Wallace W1HH (r).



Waldo Clark W1JCI displays his 65-year award.



Harry Pierce WISXG receives his 50-year award from President Fred K1QLG.

After the meeting, a representative from Lernout & Hauspie, Chuck Runquest, demonstrated a new software program for the PC. The PC user makes use of their voice to command the computer and enter text into documents. Corrections and text editing is also voice controlled. The meeting concluded with the awarding of the door prizes and adjournment.

Chuck Walbridge K1IGD - Secretary

Chapter 120, Quarter Century Wireless Women

QCWW has a new Sylver Sparks editor, Larry McCalvy, WA9JMO. We also have two new members, Lia Zwack, WA2NFY, and Patricia Smith, N1CET. It is with sadness that I report that one of our members, Floyd Dunlap, W4OMG, became a Silent Key on March 31, 00. Dot, K4PPS, has made arrangements for the QCWW annual meeting to be held at the QCWA National Convention and hopes that several members will be able to attend.

Ann Arnholt K9RXX - Secretary

Chapter 126, Piedmont

What is this life if, full of care,
We have no time to stand and stare.

Our Chapter has reached 20 years of existence this year! The Piedmont Chapter received its Charter from QCWA in March of 1980 with twenty names listed on our petition. The first meeting was held March 15, 1980 at the Hobo Junction Restaurant in Concord, NC, with 11 in attendance. Of the original six officers and directors, one remains an active member, K4JO, one is no longer a member, and the other four are Silent Keys. A lot can happen in twenty years. We are holding off having a major celebration until we can say we are a Quarter Century Chapter in a Quarter Century Wireless Association! The celebration will occur in 2005.

Our June meeting was held in the Classic Restaurant in Denver, NC. The restaurant has a fabulous buffet featuring country style cooking with a large salad and dessert bar. It was the third year in a row that our June meeting was held there. Our own member, John Covington, W4CC and Section Manager for North Carolina gave a talk on the history of Amateur Radio. John

sees Amateur Radio as being separated into four generations defined by specific advancements made in the technical progress of the time. The Pioneer Generation were the early experimenters from the turn of the Century to about 1925. Kilowatt spark transmitters, beginning of licensing in 1912, message handling began, origin of the ARRL to coordinate message relay, World War I intervening in growth, Trans Atlantic tests and proving the great usefulness of wavelengths below 200 meters were that Generation's legacy.

The Second Generation was in the period from 1929 to 1940. The early experimenters branched to broadcasting and manufacturing of radios. Commercial equipment became available, and home built receivers began a decline. Contesting and DXing enthusiasm starting with the introduction of the DXCC award, and there was tremendous growth in the Amateur Radio population; from 5,000 at the end of WW I to 60,000 at the outbreak of WW II.

The introduction of Incentive Licensing, which occurred about 1951, started the Third Generation. The change was a major one with the elimination of Class A, B, and C licenses, in favor of a six layer-licensing scheme. Television receivers increased in number, and the old breadboard transmitters coupled with insufficient shielding in the TV receivers, wrought havoc to both hams and TV viewers. But there were good things, such as the introduction of single side band, transistors; VHF operation took on great popularity especially with the use of repeaters and their auto patch capability. Volunteer licensing examiners came into being, all of which was to make obtaining a license easier. The down side to all of this was a growing apprehension that the average age of the Amateur population and new entries was getting greater.

That brings us to the present day and the Fourth Generation. We are now in the digital age with many electronic marvels. Cellular phones counteract the advantage of the VHF phone patch, computers make possible easy access to using slow scan TV, RTTY,

**THE JOURNAL IS AVAILABLE FREE TO
BLIND PAID-UP MEMBERS ON AUDIO
CASSETTE TAPE. FOR MORE
INFORMATION, CONTACT**

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RANDLES, W4GXZ**

**(w4gxz4@juno.com)-(MAY 1-OCT. 1) 44
Western LN.**

**Amherst, MA 01002 PH: (413) 256-
0179; and (OCT. 1-MAY 1) 6002 N.**

Fremont, Tampa, FL 33604

PH: (813) 870-0867.

packet, and other digital modes of communication, but the computers also take away the excitement of Amateur Radio for young people. John feels this will result in fewer Amateurs in the future.

Remember our Saturday morning Net at 8:45 on 3935 kHz!

Henry G. Elwell, Jr., N4UH

Chapter 128, Pelican

At the April 12th meeting of the Pelican Chapter the invocation was given by Don Bice W4PCO. He quoted from the native American (Navajo) prayer White Buffalo. Following this was the Pledge of Allegiance to the Flag recited by the 27 members and guests present.

A letter of communication from George Knudson W4GCK Program Administrator of the new QCWA Endowment Program was read by Jarvie Mullins.

Plans are already in the making for the Pelican Picnic which will be held November 8, 2000. This is an annual event held at Seminole Park at Shelter 13. We have been able to keep the price of \$7.50 for many years. All QCWA members and guests are invited to join us.

The May 10th meeting was called to order at 11:30 AM by Jarvie Mullins WA4GJH President. Don Bice W4PCO Treasurer/Chaplain was called on to give the blessing for the food. The Pledge of Allegiance was given by 21 members and guests present. Bill Bell introduced W4NEO Ed and his wife Nancy.

Bill Bell also announced that there were two members of Pelican Chapter running for the position of National Director; Alan Pickering KJ9N and Art Kunst W3WM.

Dave Stocky K4KE mentioned that the Highway & Motor Vehicles Department was going to issue tags with ham call signs on to universities. There was some discussion about this issue.

President Jarvie Mullins announced that the June, July and August meetings would be informal and would be held at Shoney's Restaurant on 66th Street and 46th Ave. N. and all agreed. All future meetings will be held at Shoney's Restaurant at the same location.

Jim Eberwine W4APV said they were starting a new class 5 wpm and Technician's and General Class theory on the 13th of June at the Red Cross Building at 6:30 P.M. every Tuesday. The building is at 4th Street and 9th Ave. N.

Pelican Chapter meets the second Wednesday of each month at Shoney's Restaurant, on 66th Street and 46th Avenue N. We gather in a room reserved for us at 11:30 AM and orders are taken for our meal. Then the meeting proceeds.

Kenneth H. Johnson WA4TOP - Secretary
wa4top@hotmail.com

Humble people don't think less of themselves - they just think about themselves less.

Chapter 138, Marconi

On Sunday afternoon, May 7, chapter 138 held there 18th Annual Awards dinner meeting. A number of awards were presented. Joe Strockbine, W2KCO, and Phil Petersen (SK), W2DME, received the chapter Marconi award. They were the "spark plugs" that let to the name change to honor Marconi for the work he accomplished in New Jersey, especially the area covered by chapter 138.



Joe Strockbine, W2KCO, receiving the Marconi chapter special award from Mike Feher, N4FS, President

Leta Ladd, WA2QCE, received the National Meritorious award for her many years of dedicated service as chapter treasurer. John Kelleher, W4ZC, presented the award to Leta past president of QCWA. Anniversary awards went to Earl Korf, K2IC, for his 80th; A. Leslie Hill, W2QHS, and Herbert Meschwitz, W2NFG, for their 60th; and Sterling Rogers, N2GT, and Frank Segalla, W2FFH, for their 50th. Diamond Jubilee awards went to: Robert Boulle, W2OKM, and Donald Babyol, K3LGC. And finally the Elmer award went to Mike Reason, W2EXQ.

Mike Feher, N4FS, gave a dynamic demonstration, using authentic equipment, showing the growth of early radio. He exhibited early telegraphic signaling, a Marconi spark gap transmitter and coherer, and a high power rotary spark transmitter. For entertainment AL Rando, W2NCH, a blind musician dazzled the group with his music from the keyboard. Al provided soothing music for listening and nostalgic music for singing and dancing. Al was presented with a special talking clock for blind person's with instructions in Braille. AL is still thanking the chapter for this gift.

Chapter 138 Year 2000 Silent Keys to date

Jack Saperstein W2IMM, Feb 2000
 Mary Swiencicki, K2VVT, Mar 19, 2000
 Dave Kennedy, K2VPW, April 12, 2000
 Phil Petersen, W2DME, April 14, 2000
 Robert Felsenheld, W2BCC, May 6, 2000
 Carl Felt Jr. N2XJ, June 18, 2000

Bernie Ricciardi WB2EJT - Secretary,
bvrice@monmouth.com.

Chapter 146, Twin State

The Twin State Chapter 146 QCWA held our Spring Meeting at the LANTERN BUFFET, West Lebanon, NH at Noon on April 15, 2000. 18 chapter members and guests attended and enjoyed a pleasant get-together and short business meeting. Two of our members arrived by air, Dave Wilbur, K1ZS as pilot of a small plane from Keene, NH, and Dick Seifert KB2FF as observer.

President Dale Sanborn, W1NBI, called the business meeting to order. The Treasurer's report was read and accepted, and Ted Everett, W1ALE, conducted an audit of the books. Chapter finances are in a healthy condition. The Secretary distributed copies of a new Chapter Roster for Twin State Chapter 146 that was prepared by Frank Finger, N1UA.

A resolution was passed establishing Life Member status for Chapter 146 through payment of a one-time fee of \$30. This is of course entirely voluntary. Regular chapter dues are \$3 per year for individuals, and \$4 for families.

Efforts will be made to find a suitable place for our next meeting in northern VT/NH, possibly for July 2000.

The President closed the meeting at 2:15 PM.

Gregg Stephenson W1DGC - Secretary

Chapter 149, Nutmeg Chapter

At the annual meeting on May 13, 2000, the election of officers was really simplified, this year. The President and Vice President exchanged places and the other officers agreed to serve one more term. Hence the officers until at least May 2001 will be Paul Taylor K1AFI - President, Wade Holcomb W1GHU - VP, Rich Monahan K1FPP - Treasurer, Don Steele W1NFG - Secretary and Cal Bennett W1KHL - Activities/net Manager. Al Cohen W1FXQ, the hard working assistant to our Activities Manager headed up our Nominating Committee and, as usual, Al had arranged an excellent, educational program.

Our guests, Mr. Joe Wood and Ms. Donna Devino, of the Connecticut Department of Public Utilities Control gave an illustrated talk on how the deregulation of the generation, transmission and distribution of electric power is supposed to reduce the cost of energy for all the homes and businesses in the state. After their talk, there was a discussion on plans for a joint picnic, to be held in July with the other New England Chapters.

Some of our officers are embarking on new channels of service to the Chapter. Vice President Wade Holcomb W1GHU has taken over the somewhat neglected task of managing the chapter's web site, and is rapidly learning the ins and outs of displaying our organization on the Internet. Meanwhile, since the Executive Board met with complete failure at recruiting a new editor for the Chapter's quarterly newsletter, the Secretary had to take over that job. He has done one issue thus far; we'll see how he does when the next one comes out.

The meeting was held at the Yankee Clipper Restaurant in Niantic, and everyone enjoyed the excellent meal. 60 members and guests were present. Tom W1DCM, Earl W1BML, Jim K1LBE, Cynthia XYL of K1ARI and Earl's wife all carried away door prizes while Wayne W3QAN walked out with 140 feet of antenna wire, donated by Tom Evans W1JC..

Don Steele W1NFG - Secretary

Chapter 154, Leo Meyerson

Following our successful Spring Luncheon held this past February, our monthly luncheon meetings, held at Marie Callendar's in Rancho Mirage once again were underway.

At our March luncheon, Miss Carol Camelot presented a most engrossing talk on the problems of global warming, solar flares and their effect on communications.

She presented numerous statistics involving the disappearing ice caps, rising ocean levels and the changing weather patterns around the world.

An interesting exchange of questions and answers followed her talk.

Ms. Camelot is a member of the Coachella Valley Communications Committee affiliated with the Riverside County Fire Department. She is a disaster team consultant and former chairperson of NEST (Neighborhood Emergency Service Team) affiliated with the Cathedral City Fire Department.

At our April 20th luncheon, chapter member, Emil Oana K6LGI, spoke on his maritime career as a radio officer in the Merchant Marine. His talk was both fascinating and spellbinding as he described life and duties aboard tankers and container ships. In addition, his video added to the flavor of his "sea stories" about the many exotic countries and ports that he visited.



At the Spring Luncheon, Chapter President George Underberger W6WAS greets Meta Brazell WA6BNS (r) who celebrated her 99th birthday last September with a visit to the Great Wall of China at the invitation of her grandson and his wife who work in China for an American corporation. Agnes Langevin W6MFP (l) looks on. The two ladies have been members of the Los Angeles YLRL for nearly 50 years.

Agnes is currently a member of Chapter 154.

Emil spent more than 30 years as a radio officer before retiring.

Our last luncheon meeting, before our summer hiatus, was held on May 18th. Chapter President, George Underberger W6WAS presented a talk on "MICRO-WAVES.... more than a kitchen oven!"

Beginning with some of the history relating to the early days of microwave radar through WWII to the present time. George's talk ran the gamut of components, devices, systems and production methods from 1.0 GHz to 40 GHz. He also discussed present day usage of microwaves for point-to-point communications, satellite programming and communications.

Lacking specific microwave components and tubes to exhibit, George relied on photos from text books and military publications (from the early 408) to illustrate his description of components and devices used in microwave systems. He described antenna types, measurement techniques and the problems associated with waveguide fabrication in the 3cm region. His talk ended with a short question and answer session.

[George spent 25 years plus, working in the microwave industry in Southern California.]

Chapter 154 will be dark through the summer months with its first Fall meeting scheduled for October 19th.

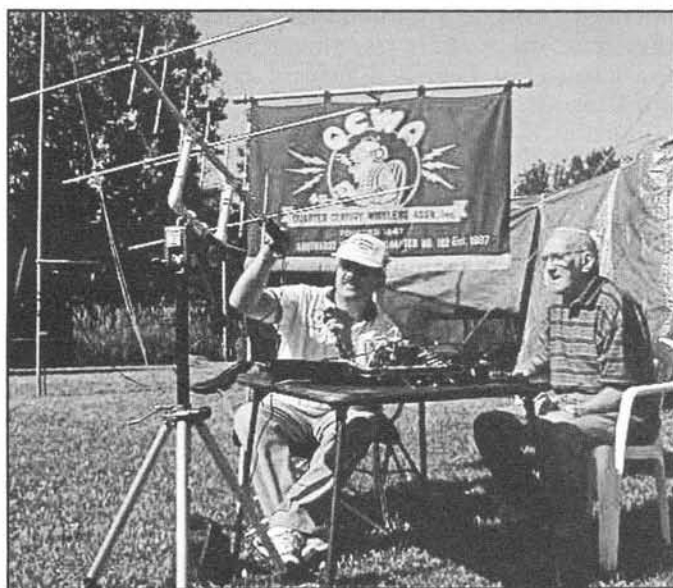
George M Underberger W6WAS

Chapter 162, Southeastern Wisconsin

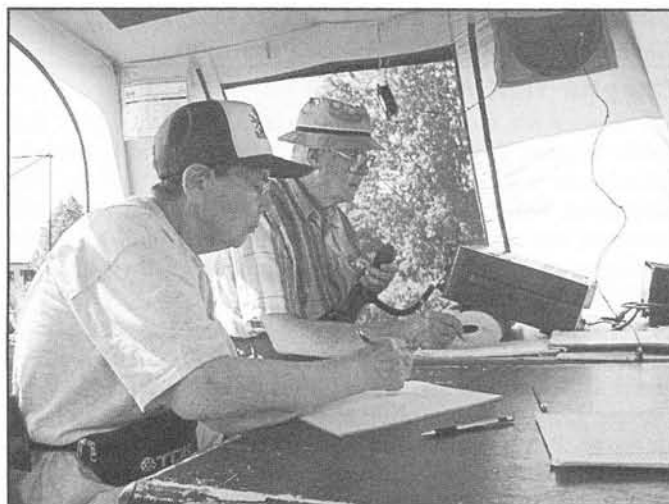
Field Day 2000 in Southeastern Wisconsin was a fine example of why this is an annual event. Equipment 12-months in storage failed to operator as well as it was remembered to have preformed in 1999. Antennas perfectly matched when they entered storage, emanated enough standing wave this past June when their former finely tuned transmitters were powered up, to hid a battleship.



Al Agiers W9HR adjusts a 30" high 20-meter Isotron antenna for minimum SWR.



Dan Miller KA9OIL rotates his satellite beam antenna in an attempt to make a few Field Day contacts. Herb Ladwig W9PHJ keeps a close eye on activities.



Fern Fisher W9LCJ logs contacts while Bob Jensen W0WLN makes contacts on 15 meters

A 20-meter Isotron antenna standing tall 30 feet over the transceiver last year netted 44 CW contacts; this year the optimum operating elevation was 30 inches. Our lone CW operator, Al Algiers, W9HR, made 88 QRP solar power charged battery contacts. Al said he worked almost everyone he heard. A SWR of 1:1 was achieved with two Hams standing on the sides of the Isotron with one lifting an arm to 90 degree. Since this seems like an impossible task to continue, we let Al negotiate through 2:1 SWR contacts.

Operating 3A QRP during the daylight hours we had a grand time. Homemade sandwiches, pop, donuts, fruit, cookies - all life's staples - nourished our bodies as we meandered across the bands seeking contacts. The rains came, the insects bit and the winds howled (well maybe just a little bit), but our steady dedicated operators operated almost until it got dark. Nighttime is for sleeping. We again assaulted the airwaves early the next morning. It must have been close to 9 am when the gang fired up our heavy-duty power for the day's run against the standing 3A record for contacts. The group operated 20-meter CW, 10 and 15-meter phone, 2-meter sideband, and attempted several unsuccessful Satellite contacts. At 1800 hours Zulu on Sunday we struck the Field Day camp site. And by 1830 hours we were gone.

Our other June activity was the chapter's annual mosquito bash held at the home of Ken (N9NBC) and Marbeth Knoff. A dish was brought to pass, each cooked their meat of choice and the Knoffs provided the mosquitoes. This year's crop exceeded all the previous year's combined total. I speak from experience, as most of those vampires selected me for their meal. I had to seek a re-supply at the local blood bank on the following Monday.

July is free of chapter activities as we await the annual picnic in August. I can almost taste the charcoal-grilled corn on the cob as I sit here writing.

Larry McCalvy WA9JMO - President

Chapter 165, York County

The York County Pennsylvania Chapter met for their annual family picnic on June 17, 2000. Eleven members, wives, family and friends gathered at the Keystone VHF Club's pavilion on a fine Saturday afternoon for the annual picnic and silent auction. The family picnic has become the highlight of the summer activities for the chapter.

After the lunch a short business meeting was called to order by our vice president Bob Hager K3HOX. The chapter will have a display table at the York Hamfest on the 17th of September at the VO- Tech High School in York PA. Chapter members will man the table throughout the day to attract new members,



York County's annual family picnic. Seated in front row Ed Kirby W3YQJ. Standing left to right: Bob Hager K3HOX, Walt Bilous K3DQB, Bill Barefoot W3UQJ, Phil Steinfelt K3SRP, Pete Chantiles N3DVO, Charles Arnold W3PRG, John Zett W3FLD, John Shaffer W3SST, Ray Shaub W3AXC and Carey Green K3IIB.

The next chapter meeting will be held at the Stoneybrook Family Restaurant in York PA on August 12, 2000,

Ray Shaub W3AXC - Sec./Treas.

Chapter 168, Oregon Trail

On Saturday, June 17th. Chapter 168 held their Spring Meeting at J. J. North's Family Restaurant on N. E. Halsey Street in Portland. Meeting attendance was less than usual with only ten members and guests attending. Perhaps part of the reason for the light showing was the great weather we had that weekend.

We were honored with the attendance of QCWA Director Arch Doty W7ACD. Arch answered a few questions concerning the new licensing changes and privileges. He pointed out General class and Advanced class operators gain no additional frequency privileges until they have successfully passed the written element for the Extra class license. This did certainly clarify the question of whether Advance class licensees would automatically obtain total band privileges.



QCWA Director Arch Doty W7ACD (l) and Ron Mayer K7BT (r) ready to enjoy lucheon/meeting.

The problem of shrinking membership was also discussed at the meeting. Several possible actions were suggested and are being pursued. One thing we are going to do is get a printout of members at large living in the Portland/Vancouver metro area. Another option to be investigated is the possibility of merging with another Chapter. Shrinking membership is not a pleasant subject to write about but sharing of problems may also lead to sharing of solutions. We certainly hope so!

The Fall Meeting will be held September 23rd. Until then, have a good summer.

K7IU - Secretary

Chapter 169, Sacramento Valley

Chapter 169 is still meeting monthly at LYON'S Restaurant, located at 1000 Howe Avenue in Sacramento, CA. Chapter meetings take place on the SECOND WEDNESDAY of each month. Breakfast participants generally get seated about 7AM with breakfast around 7:30 and meeting at 8AM.

Highlight this last quarter was a visit and tour to our local Children's Hospital. We also had a great presentation from one of our mobile radio operators who gave the history and evolution of mobile radio operations during the past 50 years.

We participate with the Society of Wireless Pioneers in net operations on 3947.5 KHz daily Monday thru Friday at 5 PM. All are invited to check in.

QCWA members and other Radio Amateurs, including XYL's are cordially invited to attend our meetings. Contact Paul Wolf, W6RLP, at (916) 489-8112 or Gary Stilwell, KI6T at (916) 961-6659 for more information or meeting location.

Chapter 181, Hudson Valley

An exceptional meeting took place on April 8 at PENNYBRIDGE TAVERN, at the Hilton Inn, in Tarrytown, NY. The attendance set a new record for the chapter - 45!

A significant number of the guests were present to honor one or another of the members receiving awards commemorating their years since receiving their first ham license. Fifty year Art Bonte W2ZVC and Sandy Fried N2SF earned Gold Certificates. A 60-year Gold was awarded to Sy Yuter W2NBT.

Finally, we were privileged to present the QCWA 75 Year Plaque to Charles Hellman W2RP. After a photo-op session, Charles responded with an interesting account of some of his early ham and other radio activities. At one time, in the 1920's, it appears that Charles was in demand over the entire NY City area - as the "kid who knows radio and can fix any receiver that is in trouble". He recalled once being at the counter of an early radio store and finding the other guy there with him had the same last name. That was Bill Hellman, NA2M, - here today! Another time he was working CW with a ham on a Navy ship -Sandy Fried, N2SF - here today! A long and productive career has led Charles to the revered status he occupies in the NY ham community today.



President Harry Moore W2JQS presents the QCWA 75-year Gold Plaque to Charles Hellman W2RP. Photo by NJ2J.



Chapter 181 President Harry Moore W2JQS, has awarded a 60 Year Gold Certificate to Sy Yuter, W2NBT and 50 Year Certificates to Sandy Fried N2SF and Art Bonte W2ZYC. Photo Credit NJ2J.

The Chapter, at this, our Annual Meeting, reelected the same officers and directors that served last year: Harry Moore W2JQS - President; Sy Yuter W2NBT - Vice-President, Dick O'Brien NJ2J - Secretary; Stan

Chapter Reports

Egelberg W2WQK - Treasurer; Directors: Manny Cohen K2ILF, Jullan Hellbroner WD2ADT, Lou Leonard WA2UIJ, Jerry Mulberg W2MJP and Dick Robinson W20ZA.

Our next meeting will be in mid-July. A picnic is planned for mid-August to be held at Graymoor, where member Brother George Clay, WA2RRK, resides.

After an exciting prize drawing, the meeting was adjourned.

Dick O'Brien. NJ2J - Secretary

Chapter 188, Lost River Chapter

QCWA Chapter 188 meets each third Thursday for lunch at Mike & Kathy's Restaurant here in Klamath Falls, Oregon. We continue to have nearly overflowing attendance in this small restaurant, but there is always room for another one or two more.



Mal Brister W6EZO (r) of Montague CA, receives his 65-year Certificate from chapter president Carolyn Brooks AB7ET.

The warm summer has arrived and we hope all are enjoying it.

Carolyn Books AB7ET - President

Chapter 196, Edison

The nice thing about our organization is that we are so diverse. Why just recently our own Jeff Beals WA4AW, has been named to a special position with the ARRL. Jeff is the Affiliated Club Coordinator who is responsible for getting materials to local schools that offers information and training supplies to students interested in amateur radio. I am sure Jeff will do a great job implementing this program because he is enthusiastic and very qualified.

A strange series of events occurred at our April lun-

cheon. The best part of this event is that a tribute was made to a fellow ham, Frank Rutter K3AW (sk).

A defense contractor employed Frank at the same time as Ed Yoder, W3YMB. Ed and Frank happened to be sent to the Middle East at different times and they were each other's QSL managers. After many years of friendship and hamming together both men retired and went in their own directions.

Frank had a way of presenting things that was interesting to others. For example, Frank designed and built an antenna array in miniature that could show the RF patterns of various antennas. Frank used a very high frequency transmitter at a very low power output. The signal was received by a handheld sensor that would rebroadcast the converted RF into audio. I suppose there is a lot more to the works of this system but for simplicity sake, I must say it is a very dramatic demonstration.

Fellow Chapter 196 member, long time friend and pillar of our local amateur community Jim Hall, W3JI demonstrated Frank's homemade equipment. Jim and his young lady companion Joyce Mendez thrilled our group with a very interesting and thorough display of how antennas work. It showed ground wave by the way the signals bounced off of a table and the low angle of radiation inherent in certain systems.

Jim acquired Frank's equipment many years ago at an estate sale. In the meantime, Jim has offered his demonstration to many hamfest seminars and most recently to our membership. The entire setup fits into a small brief case!

I might point out that Jim is a very soft-spoken gentleman and he happens to be blind. He had our complete attention when he spoke of the various antennas in the ensemble. With the help of Joyce, Jim would carefully feel these tiny arrays and gently attach them to the feed line on the top of a tower that was only about a foot tall. Antennas ranged from verticals to dipoles to beams. The fact that Jim could demonstrate the varied RF patterns by sound and touch added to the visual content that we had only read about in textbooks. Jim proved textbook theory with the help of a lost but not forgotten fellow amateur.

With Ed Yoder watching Jim's presentation, someone who actually knew Frank was thrilled to once again see how influential Frank has been to others over the years. Needless to say, this was quite a heartwarming presentation. Many thanks to Ed and Jim for sharing this legacy.

Tad Burik WA8PXL - President

SENDEMIN
by
October 1, 2000

Member Supplies

Certificates

Membership Certificates are numbered in serial order and are issued to each member. Numbers are not reissued except to the same member to whom they were first issued.

QCWA Gold Certificates celebrate the 50th anniversary of licensing. Issued without charge to eligible members upon proof of year of first license.

Gold Certificates are issued in five year increments; 55, 60, 65, 70 and 75 year certificates free of charge to eligible members.

Fifty Year Continuous Licensing Gold Certificate available to eligible members. Requires submission of proof of continuous licensing. There is a \$5 fee for this certificate. Applications are available from QCWA Headquarters.

QCWA Century Club Certificate is issued to QCWA members whose age, when added to their number of years as a QCWA member totals 100 or more. No charge for this certificate.

Meritorious Award Certificate is issued by Headquarters upon request of any active QCWA chapter. One such award is authorized for each chapter each year. The award may be given to recognize unusual dedication to QCWA or amateur radio. No charge for the award.

Operating Awards

QCWA Operating Award Certificates are issued to QCWA members by the Activities Manager. Proof of eligibility is required.

QCWA Worked 50 States Awards are issued to QCWA members who have contacted members in each state of the union.

QCWA Worked 100 Members Awards are issued to QCWA members who have contacted at least 100 QCWA members.

QCWA Worked 60 Chapters Awards are issued to QCWA members who have contacted members of 60 chapters.

QCWA Worked 500 Members Awards are issued to QCWA members who have contacted 500 QCWA members.

QCWA Lapel Pins

Without year tags, tie-tack, safety pin or screw type. Plain pins (no year) - \$10

With year tags (clutch-type only). Specify year; 25, 30, 35, 40, 45, 50, 55, 60, 65, 70 or 75 - \$15

QCWA Life Member pin - \$5

Other Member Supplies

QCWA Embroidered emblem - \$5

450 QCWA Red Stamps (regular) - \$3

450 QCWA Gold Stamps (life) - \$3

400 QCWA Yellow Stamps (50 Year) - \$3

QCWA Cap with logo - \$5

QCWA Chapter Banner - \$200

QCWA Decals - \$1

QCWA QSL cards - (see ad elsewhere)

Please send your order to QCWA Headquarters, 159 E. 16th Ave., Eugene, OR 97401-4017.

Phone (inquiries only, no orders): 541-683-0987, Fax 541-683-4181

We accept orders charged to credit cards.

Rules for the 44th Annual QCWA QSO Parties

QCWA cordially invites all to participate in the 2000 QSO parties. All licenced Radio Amateurs world wide are invited.

Time/Dates: Two parties will be held in 2000. The first one shall commence on **11 Mar 2000 at 1900 Hrs UTC** and the second one shall commence on **16 Sep 2000 at 1800 Hrs UTC**. Each will run for a **period of 24 Hours**. Both CW and Phone modes may be used.

Frequencies: The following 15 Bands may be used:-

Any station may be contacted on any or all of the 15 bands for a maximum of 15 QSO's per station, with no more than one

1.8: 1.800 - 2.000	14.0: 14.000 - 14.150	28.3: 28.3 - 29.7
3.5: 3.500 - 3.750	14.2: 14.150 - 14.350	50: 50.0 - 54.0
3.9: 3.750 - 4.000	21.0: 21.000 - 21.200	144: 144.0 - 148.0
7.0: 7.000 - 7.150	21.2: 21.200 - 21.450	220: 220.0 - 225.0
7.2: 7.150 - 7.300	28.0: 28.000 - 28.300	UHF above 420 Mhz

QSO per Band. Any station in the same chapter may be counted only once, for a maximum of one QSO per station. No contacts on WARC bands are permitted (10, 18 and 24 Mhz Bands). No Cross Band or Repeater Contacts are allowed.

Suggested Starting Frequencies:

CW: 1.910: 3.540: 7.035: 14.040: 21.050: 28.050

Phone: 1.910: 3.890: 7.244: 14.262: 21.365: 28.325

Calling (CW or Phone): CQ QCWA

Information Exchange: Fill Columns on the Log Form. For the "year" column, indicate the last 2 digits of the year the station operator was first licenced. If the contacted station does **not** belong to a QCWA chapter, show only the State, Province or Country of its location. The latter would apply to Non QCWA members as well as to QCWA members who are not affiliated with a local chapter. **Do Not mention the term "At Large" (AL) as was done several years ago, as this can be confused with AL for Alabama.** For Band info, simply indicate one of the above 15 Bands in the "band" column.

Scoring: Each Phone QSO is worth **one contact point**. Each CW QSO is worth **2 contact points** (show 2 points in the QSO Points Column on the Log). A **Multiplier of one point** is given for each QCWA Chapter worked and for each State, Province or Country reported from stations not belonging to a QCWA Chapter. A total of **only one** multiplier point will be given for each State, Province or Country. A **Multiplier of 3 points** will be given on each of the 15 Bands for working our Special Events Station **W2MM**. It is hoped to have this station active throughout the two parties. Stations within 50 miles (80 Kms) of W2MM, may work W2MM only once for a total multiplier of 3 points. This year the station will operate in the vicinity of the Toronto International Airport.

Sample logs and a summary sheet may be requested from QCWA Headquarters with an SASE.

Address is 159 East 16th Ave., Eugene OR 97401-4017.

Awards:

Certificates will be issued for the top 3 World Scores.

A certificate will be issued for the top score in each participating Country.

Summary Paragraph: In order to assist the log checker, please include, along with your logs, a Summary Paragraph as shown below.

<u>QSO's</u>		<u>Contact Points</u>
CW Contacts	_____ x2	= _____
Phone Contacts	_____ x1	= _____
Total Contact Points		= _____ (A)
Multipliers		= _____ (B)
Total Score = A x B		= _____

Send your logs, together with the above summary paragraph to the following address within 30 days of the QSO party. All participants are encouraged to send in logs no matter how few or how many contacts are made.

Send Logs to: WØHXL, Dick Newsome, 2924 North 48th Street, OMAHA NE 68104-3726, U.S.A.

2000 QSO PARTY

Name	Call	Final Score	
Address			
Chapter #	Novice (Yes/No)	QCWA (Yes/No)	QCWA Member #

[illegible]

Chapters on the Air

NO	NAME	DAY	TIME	NC	FREQ	NO	NAME	DAY	TIME	NC	FREQ
50	SO CALIF CW	SUN	1100L	W6WHM	7034	81	LONG ISLAND CH	FRI	2030L	K2YAW	146.746
FL SSB		SAT	1300Z	W4NWF	3955	85	ARK-LA-TEX CH	MON	1930L	WA9PZL	146.67
QCWA SSB		SUN	2000Z	varies	14347	87	EVERGREEN CH	SUN	1500Z	VARIES	3984
FL SSB		WED	1500Z	W4NWF	7274	89	PALMETTO CH	SUN	1700L	VARIES	3695
NE REGIONAL		SUN	0845L	W2AUF	3917	89	PALMETTO STATE CH	SAT	0900L	K4MFU	3930
QCWA CW		WED	2000E	varies	7035	91	VIC CLARK CH	SUN	0900L	VARIES	146.79
1 CLEVELAND CH		WED	2000L	W8LYDW	146.88	92	NORTHERN LIGHTS	SUN	2000L	KL7CDG	146.97
2 CHICAGO AREA CH		1stTh	2130L	W9MOL	147.15	94	ROADRUNNER CH	WED	1400L	WB5YYX	146.72
4 NORTHWEST CH		SUN	1200L	W7PN	3952	95	EASTERN NY	SUN	1130L	WB1M	3900
4 NORTHWEST CH		SUN	0800L	W7PN	3650	96	GATEWAY CH	SAT	1600Z	W4KGT	3937
5 DELAWARE VALLEY CH		SUN	0945L	W2UAE	3917	102	DAKOTA CH	SUN	1400Z	VARIES	3889
6 PITTSBURGH CH		SUN	0830L	W8CSU	147.03	105	MIDDLE TN CH	THU	2000L	VARIES	146.91
7 SOUTHERN CA		SUN	1000L	W6ZRZ	147.36+	106	GERMAN CH	MON	1700Z	DLOQCW	3669
7 SOUTHERN CA		SUN	0900L	W6WHM	3917	106	GERMAN CH	TUE	1700Z	DL1MEB	3573
7 SOUTHERN CA		SUN	1100L	W6WHM	7234	107	CENTRAL FL	THUR	1230L	W4LHP	14245
8 UPPER MIDWEST CH		SAT	0800L	WOKHG	3877	107	CENTRAL FL	SAT	0900L	W4LHP	7243
9 SOUTHWEST OH		SUN	1330L	K8YDP	3975	108	BEAVER STATE CH	WED	0800L	W7LVN	3926
10 MICHIGAN CH		SUN	0800L	VARIES	3903	109	BATON ROUGE CH	SUN	2000L	VARIES	146.79
11 NORTHERN CA		SAT	1000L	W6AQR	146.85-	109	BATON ROUGE CH	SUN	0830L	VARIES	3905
11 NORTHERN CA		SUN	0930L	WA6AFT	3907	110	KANSAS CH	SAT	0730L	KAORZO	3920
14 SAN DIEGO CH		WED	2000L	K6QS	145.52	112	YANKEE CH	SUN	0830L	W1GCA	3903
16 ARIZONA CH		SUN	0630L	W7ER	3890	114	NORTH TEXAS CH	SAT	0830L	WA5BXH	3941.5
17 ALLENTOWN-BETHELEHEM		SUN	1200L	VARIES	3990	122	LAKE ERIE TRI-STATE	SUN	0915L	W3QPP	3916
19 MISSOURI CH		WED	1930L	W9VHL	147.15+	123	LEE DEFOREST CH	SAT	0730L	VARIES	3940
20 BALTIMORE CH		MON	2100L	W3EE	147.285	126	PIEDMONT CH	SAT	0845L	VARIES	3935
21 CANTON OH CH		THU	1930L	WA8DRT	147.180	128	PELICAN CH	SAT	0900L	VARIES	145.29
25 NEBRASKA CH		TUES	0100Z	VARIES	146.94	130	INLAND EMPIRE	WED	1930L	W6HV	1.896MH
25 NEBRASKA CH		SAT	1430Z	VARIES	3982	130	INLAND EMPIRE	FRI	1600L	W6HV	3862
28 CENTRAL NY		SUN	1030L	K2MFB	3917	130	INLAND EMPIRE	SAT	0800L	W6HV	3862
29 FINGER LAKES CH		SUN	1230L	W2BCH	3900	131	GULF COAST CH	TUE	0900L	VARIES	28750
31 READING, PA CH		MON	2100L	VARIES	146.91	134	PINE TREE	SUN	1930Z	VARIES	3942
32 GATOR CH		SAT	0900L	VARIES	145.29	135	MID-MICHIGAN CH	TUE	2000L	VARIES	146.70
33 GUNDERSON PA-JERS		DAILY	2000L	W3APE	3987	138	MARCONI CH	TUE	2100L	VARIES	147.045
35 MIDCONTINENT CH		THU	2030L	KOYML	146.97	140	WYOMING CH	SAT	0800L	W7MZWW	3923
36 NORTHWEST IN		THU	2000L	N9MRS	3703	141	HI-PLAINS CH	SAT	0900L	W5MVJ	3933
36 NORTHWEST IN		WED	1930L	N9MRS	147.495	142	NORTHWEST OH	WED	2000L	W8FO	147.27+
37 HARRISBURG CH		WED	2100L	K3IUY	147.12	143	NORTH CO CH	SUN	0830L	VARIES	145.115
38 SAN ANTONIO CH		SUN	2030L	W5HRF	28650	146	TWIN STATE CH	SUN	0830L	WA1NBI	3897
41 DALLAS CH		SUN	0715L	varies	3835	149	NUTMEG CH	SUN	1130L	W1KHL	3923
42 MOHAWK VALLEY CH		LSUN	2000L	VARIES	145.45	150	DEL-MAR-VA CH	SUN	0900L	K3PFW	146.280
45 CITRUS CH		TUE	1930L	VARIES	147.195	151	WILD ROSE CH	MON	1900L	VARIES	3747
46 FOUNDER'S CH		SUN	0845L	W2AUF	3917	152	ROYAL PALM CH	T-TH	1300L	K4FA	14178
46 FOUNDER'S CH		THU	2030L	W2AUF	147.36	152	ROYAL PALM CH	MWF	1300L	W4LZV	7220
48 TREASURE COAST CH		DLY	0800L	KD2XD	7153	154	LEO MEYERSON CH	THUR	1830L	K6AWO	145.480
48 TREASURE COAST CH		DLY	1700L	KD2XD	14.176	157	PONY EXPRESS CH	SUN	0830L	W0GGP	3955
49 PEACH STATE CH		WED	2000E	W9BKJV	145.41	160	UTAH CH	SAT	1100L	VARIES	7272
49 PEACH STATE CH		SAT	0900E	W9BKJK	3857.5	162	SOUTHEAST WI	THUR	2100L	N9NBC	147.27
51 TEX-LA GOLDEN TRI		MON	1830L	WA5YCW	146.86	165	YORK COUNTY PA	WED	2100L	W3AXC	146.97
54 TYLER CH		MON	1930L	W5RRM	28.650	169	SACRAMENTO VALLEY	M/THU	1730L	VARIES	3947.5
55 WI CH		SUN	0830L	VARIES	3985	173	GOLDEN TRI CH	TUE	1930L	W9JRY	147.255
58 CO CH		SUN	0900L	W9KRE	3905	174	WI BADGER	SUN	1600L	VARIES	146.82
58 CO CH		SUN	0930L	VARIES	146.67	180	FOOTHILLS / OZARK	SAT	0800L	KODEW	3861
62 SUWANNEE CH		SAT	0900L	W4PFJ	3940	181	HUDSON VALLEY CH	TUES	2030L	WA2RRK	147.060
63 CENTRAL OK CH		THUR	1900L	W5AS	145.41	181	HUDSON VALLEY	SUN	0815L	W20ZA	3917
63 CENTRAL OK CH		SUN	0800L	W5AS	3855	182	NORTHEAST TN	SUN	2100L	W4EHI	145.110
64 EL PASO CH		SAT	0830L	W5RO	3933	183	PIONEER CH	SUN	1030L	W1ALL	3923
65 NIAGARA FRONTIER		SUN	1330L	W2SD	3900	188	LOST RIVER CH	1ST W	1915L	K7RFO	146.85
67 AUSTIN CH		SAT	0900L	N5WU	3920	191	MONTEREY BAY CH	TUES	1930L	W6TUW	146.70
70 NATIONAL CAPITAL		THUR	2000L	VE3QCW	147.03	192	PUERTO RICO CH	WED	1900Z	VARIES	146.850
73 SOUTHERN ONTARIO		SUN	0900L	VE3AGS	3773	194	HAWAII CH	1st S	1500L	VARIES	7088
75 CENTRAL CA COAST		SAT	0800L	VARIES	3917	195	SUN CITY CH	SAT	0900L	VARIES	145.29
76 BLUE RIDGE CH		SAT	1000L	K4RR	3930	196	EDISON CH	DAILY	0730L	VARIES	147.345
77 NORTHERN NJ		SUN	1300L	N2XJ	3917	196	EDISON CH	DAILY	0730L	VARIES	147.345
77 NORTHERN NJ		THUR	2000L	W2IET	147.030	198	MID SIERRA CH	SAT	0700L	W6JTA	3906
79 SUNFLOWER CH		WED	2100L	VARIES	146.82	199	PHIL LEIBLE CH	SUN	0930L	WA0XNI	3905
81 LONG ISLAND QCWA CH		SUN	1130L	W2TLC	3917	203	GILBERT CROSSLEY	2WED	2000E	VARIES	146.85

QCWA Welcomes New Members

DATE	MEMNUM	NAME	CALL	CITY	STATE	SPONSOR	SCALL
03/31/2000	30315	PADULA, VINCENT A	W4PD	LAUDERDALE BY SEA	FL	DAVID W CRANE	K4RU
03/31/2000	30316	PARKER, DAVE	WB9WHG	IRON RIDGE	WI	-	-
03/31/2000	30317	SPURR, FRANK A JR	WB4URB	WINCHESTER	VA	PERRY F CRABILL JR	W3HQX
04/03/2000	30318	CHITTENDEN, VIRGINIA J	WA2BGE	ONEONTA	NY	ELIZABETH G STRATTAN	W2PVS
04/03/2000	30319	MATTHEWS, EDWARD W	K8JIF	COLUMBUS	OH	-	-
04/04/2000	30320	HEIMBECKER, GRANT C	VE6GH	CALGARY	AB	LES CARD	VE6CA
04/04/2000	30321	STEININGER, MARGARET L	WA3NPB	BETHLEHEM	PA	RAY BOLGER	W3TDF
04/04/2000	30322	ZIEHM, ARTHUR JR	AA4ZM	AMISSVILLE	VA	-	-
04/06/2000	30323	KERN, R EDWARD	N3LIF	WAYNSBURG	PA	FRANK VAN CLEVE	KB3AAG
04/06/2000	30324	ROONEY, JAMES A	W3SZS	HASTINGS	FL	-	-
04/07/2000	30325	MC QUEEN, ROBERT R	W0MOU	RULO	NE	JOHN MC KINNEY	W0AP
04/10/2000	30326	SEYMOUR, WENDELL	AA6MI	CALIMESA	CA	BILL SEYMOUR	WA6MOD
04/10/2000	30327	OLEJNIK, DONALD A	W6KAT	WHITTIER	CA	VI BARRETT	W6CBA
04/10/2000	30328	CLARK, WILLIAM B	KG4GFO	BREVAR	NC	WALTER F WERNISING	K04JN
04/11/2000	30329	JONES, MICHAEL D	W6HR	HOLLISTER	CA	GENE NAILON	K5DLE
04/12/2000	30330	HOTCHKISS, JOHN	W7CNL	BOISE	ID	JOHN MC KINNEY	W0AP
04/12/2000	30331	SMALL, MARTIN R	NB2Z	CAPE CORAL	FL	-	-
04/13/2000	30332	HUNT, ROBERT G	KY7C	PRESCOTT	AZ	-	-
04/13/2000	30333	LOTT, BYRON DAVID	W6VIB	LIVERMORE	CA	-	-
04/14/2000	30334	AARMSTRONG, ROBERT W	AE0B	COLORADO SPRINGS	CO	-	-
04/14/2000	30335	BOECKEL, JOHN W	W9MRM	SOUTHBURY	CT	-	-
04/14/2000	30336	PARRIS, WAYNE	WB4GOK	GAFFNEY	SC	LES SHATTUCK	K4NK
04/17/2000	30337	CHYZANOWSKI, VINCENT E	W10OW	BALTIC	CT	BILLPAGE	W1LCJ
04/17/2000	30338	SCHAFF, PAUL E	W7BBG	PORTLAND	OR	-	-
04/17/2000	30339	COOPER, ROBERT FRASER	VE3FC	CAMBRIDGE	ON	HAROLD J BRAUN	VE3DWH
04/30/2000	30340	NIXON, RONALD G	WA8ZOE	OMAHA	NE	DICK NEWSOME	W0HXL
04/17/2000	30341	ROTH, DURELL M	K5KZQ	AUSTIN	TX	HAL HENEGAR	W5MDL
04/18/2000	30342	NITSCH, REYNOLD L	W4NTO	SPARTANBURG	SC	E LEA SALTER	K4VWD
04/18/2000	30343	VAN BUREN, RONALD H	W5ILH	FREEMPORT	TX	-	-
04/19/2000	30344	ROBINSON, EDWIN JOHN	K8MDV	CLINTON TWP	MI	-	-
04/19/2000	30345	ROBINSON, ROSEMARIE P	K8VFR	CLINTON TWP	MI	-	-
04/20/2000	30346	MIGELY, GERALD R	WA9KXZ	CHICAGO	IL	-	-
04/20/2000	30347	OSTREM, JAY E	W7CW	GILLETTE	WY	GLENN SWIDERSKI	W7GS
04/21/2000	30348	CONKLIN, EDWARD K	KH7JJ	HONOLULU	HI	-	-
04/21/2000	30349	MANNIKKO, ROY E	WB9PKN	MACON	GA	-	-
04/21/2000	30350	PETERSON, JAMES R	KF0FO	OMAHA	NE	DICK NEWSOME	W0HXL
04/24/2000	30351	FOREMAN, JAMES V	WA5GJU	BAKER	LA	-	-
04/24/2000	30352	WARDLAW, STEPHEN	KD6KKQ	VAN NUYS	CA	CROFT TAYLOR	VE3CT
04/24/2000	30353	NEWBY, LARRY J	WB0B	WEST BURLINGTON	IA	LEW GORDON	K4VX
04/24/2000	30354	WILLIAMS, CHARLES L	KI7DG	OKANOGAN	WA	-	-
04/26/2000	30355	DE FONZO, EDWARD	W2DE	CAVE CREEK	AZ	TOM WORTHY	W7YW
04/26/2000	30356	OPPERMAN, EUGENE G	KB8JOP	AKRON	OH	H FISHER	WA8FWQ
04/27/2000	30357	BOLTON, ARTHUR L JR	NM6K	MENLO PARK	CA	GERALD H TUCKER	WA6LNV
04/27/2000	30358	FRITZ, WILLIAM P	W3LHN	PITTSBURGH	PA	ERNIE BAUR	W3UHP
04/27/2000	30359	MERCER, WARREN P	KN4YP	MARIETTA	GA	-	-
04/27/2000	30360	O'KEEFE, JIM	N8AUG	EUCLID	OH	JEFF COVELLI	WA8SAJ
05/01/2000	30361	MC COMAS, ARTHUR A	K2DJL	DENVILLE	NJ	-	-
05/01/2000	30362	SCHOLZ, WERNER	DK6AP	GERMANY	-	WERNER LEMBCKE	DL1ZC
05/02/2000	30363	KOTAKE, HISAO	JH3EMK	HIROSHIMA, JAPAN	-	-	-
05/04/2000	30364	HICKS, JAMES E SR	W4JEH	MIAMI	FL	ARTHUR RAUCH	W4VZ
05/04/2000	30365	LEBERMANN, ARTHUR	W6REQ	ALAMEDA	CA	-	-
05/05/2000	30366	LEWIS, KEVIN S	N4KL	HERNDON	VA	-	-
05/05/2000	30367	MILLS, ROBERT W	K8TTZ	CLEVELAND	OH	ROCKY ZIMMERMAN	W8UYN
05/05/2000	30368	SOKOL, RONALD M	K4KNW	RICH CREEK	VA	-	-
05/08/2000	30369	HALLBERG, RICHARD I	K0UXZ	NEW BERN	NC	-	-
05/08/2000	30370	HARRISON, JAMES B	WB0SRM	PITTSBURG	MO	GARY HARRISON	K0BC
05/09/2000	30371	KNECHTLY, TIMOTHY K	N8TK	COLUMBUS	OH	-	-
05/09/2000	30372	STEWART, RODNEY D	K5IBF	OKLAHOMA CITY	OK	GENE NAILON	K5DLE
05/09/2000	30373	WHELAN, ARTHUR J III	WA6FDI	PASADENA	CA	MATE SHAPHRAN	W6UTE
05/09/2000	30374	MC DADE, EDITH PORTEN	WA4SRD	ASHEVILLE	NC	EVEREST MC DADE	W4DYW
05/12/2000	30375	KINGSBURY, BUD	VE1ZR	PORTUGUESE COVE	NS	JOAN POWELL	VE3ZC
05/12/2000	30376	DOHERTY, PATRICK G	VE3PD	MURILLO	ON	-	-
05/15/2000	30377	GIMBEL, RONALD E	VE3DBD	HEIDELBERG	ON	HAROLD BRAUN	VE3DWH
05/15/2000	30378	GIMBEL, M JEAN	VE3CBQ	HEIDELBERG	ON	HAROLD BRAUN	VE3DWH
05/15/2000	30379	RICHMOND, DANNY L	W0NBX	RAPID CITY	SD	FRANK SHAW	NU0F
05/17/2000	30380	CARROLL, FRANK J JR	K6BDK	SANTA CRUZ	CA	DAVID E HARBAUGH	W6TUW
05/17/2000	30381	PAINTER, WILLIAM C	N7AOB	LYNNWOOD	WA	FLOYD REIMENSCHNEIDER	K7MGA

New Members

05/18/2000	30382	HIGGINS, MICHAEL S	K6AER	ELIZABETH	CO	SKIP WITHROW	WB0BBE
05/22/2000	30383	DALLING, W NORMAN	W3BLN	BOYERTOWN	PA	-	-
05/22/2000	30384	PFANNENSCHMID, HAROLD F	W0ZZS	PUEBLO	CO	-	-
05/22/2000	30385	SCHOONOVER, THOMAS G	K8BTE	BEULAH	MI	-	-
05/22/2000	30386	SHOTT, JOHN S	K8IUU	BRECKSVILLE	OH	-	-
05/23/2000	30387	BARTON, ROBERT A	KD7MY	THORNTON	CO	-	-
05/23/2000	30388	EVANS, JOHN	WB5BHS	RUSSELLVILLE	AR	DAYTON	
05/23/2000	30389	KLUSMAN, WAYNE C	WA8KAZ	RICHMOND	IN	JOHN F. STRAIN	W9MIU
05/23/2000	30390	MC CRAREY, TERRY W	WB9KQF	EVANSVILLE	IN	DAYTON	
05/23/2000	30391	SHELL, WILLIAM C	N0WCP	SIKESTON	MO	JOHN FRYE	WJ0U
05/23/2000	30392	SCHWARTZ, JAY ARON	WB8SBI	HUNTINGTON WOODS	MI	DAYTON	
05/24/2000	30393	ANDERSON, CHRISTIAN D	K8VJ	SOUTH LYON	MI	DAYTON	
05/24/2000	30394	CAMERY, DON	K8EC	FELICITY	OH	HARRY J DANNALS	W2HD
05/24/2000	30395	DOUGLAS, PRESTON	WJ2V	LAWRENCE	NY	DAYTON	
05/24/2000	30396	FOLAND, JERRY L	WA4TTL	CLEBURNE	TX	EDMUND B REDINGTON JR	W4EBR
05/24/2000	30397	GREEN, CHARLES	AD4ES	INDIATLANTIC	FL	DAYTON	
05/24/2000	30398	GREEN, TIMOTHY M	WB9QLM	WEST CHICAGO	IL	DAYTON	
05/24/2000	30399	HIOKI, TAKASHI	JF1GUQ	YOKOHAMA	IL	DAYTON	
05/24/2000	30400	JENDRASZKIEWICZ, GERARD	KE9I	MEDARYVILLE	IN	DAYTON	
05/24/2000	30401	JOHNSON, STAN	K5GOX	ARLINGTON	TX	DAYTON	
05/24/2000	30402	KASRICH, MICHAEL A	AJ9C	MARION	IN	DAYTON	
05/24/2000	30403	MC KEE, MADISON M III	W3MAC	CARNEGIE	PA	NATHAN S FIRESTONE	W3SVJ
05/24/2000	30404	MILLER, PAUL H	WS8N	TRAVERSE CITY	MI	DAYTON	
05/24/2000	30405	MOORE, DENNIS	WA8TOA	SIDNEY	OH	DAYTON	
05/24/2000	30406	MOSESON, RICHARD S	W2VU	BLOOMFIELD	NJ	HARRY J DANNALS	W2HD
05/24/2000	30407	MUSE, BEN ALLEN JR	WA4WFP	BRENTWOOD	TN	THOMAS W PATTERSON	WB4VNJ
05/25/2000	30408	PARKER, RALPH	VE7XF	PT ROBERTS	WA	DAYTON	
05/25/2000	30409	SWANSON, JOHN F	WA5COR	FAIRFIELD BAY	AR	BUTCH SMITH	N4TK
05/25/2000	30410	TAYLOR, DARYL L	KD8HT	DAYTON	OH	DAYTON	
05/25/2000	30411	THUERMER, JON D	KB8SRQ	KETTERING	OH	DAAYTON	
05/25/2000	30412	VAN NIMWEGEN, JOHAN	K06I	VAN NUYS	CA	DAYTON	
05/25/2000	30413	WALKER, JESSE	N8XC	EATON	OH	DAYTON	
05/25/2000	30414	MEYER, BRUCE L	W0HZR	BLOOMINGTON	MN	FRED BARDWELL	W8OSM
05/26/2000	30415	MOYER, PETER	WB8TNE	MUSKEGON	WI	ELMER L WOOD	K8ROH
05/31/2000	30416	FOREMAN, WILL M	K5YDA	LOS ALAMOS	NM	-	-
05/30/2000	30417	REPSTAD, TOM	K1VG	SHELDON	VT	-	-
05/31/2000	30418	HASHIZUME, MASAMI	JH2QFI	GIFU, JAPAN	-	-	-
06/01/2000	30419	DOERING, HANS-JUERGEN	DK8RE	GERMANY	-	WERNER LEMBCKE	DL1ZC
06/01/2000	30420	GOEDECKE, HANS-KARL	DL4HN	GERMANY	-	WERNER LEMBCKE	DL1ZC
06/01/2000	30421	HUBER, PHILIPP	DK3TL	GERMANY	-	WERNER LEMBCKE	DL1ZC
06/01/2000	30422	SIEDLACZEK, JAN	SP6DMJ	GERMANY	-	WERNER LEMBCKE	DL1ZC
06/05/2000	30423	GREEN, COLEMAN	N2GFM	BROADALBIN	NY	CHARLES J. BERNER	WB2HXO
06/05/2000	30424	HAYDEN, RALPH R SR	KB3DFV	WAYNESBURG	PA	FRANC VAN CLEVE	KB3AAG
06/05/2000	30425	BRUSCH, DON	K7UN	SALEM	OR	ARMAND PILOTTE	W7IG
06/05/2000	30426	GREENWOOD, GARRISON	KC7OQ	GEARHART	OR	SEASIDE	
06/06/2000	30427	BIGELOW, THOMAS M	KG7IK	SEDRO WOOLLEY	WA	SEASIDE	
06/06/2000	30428	COPELAND, DONALD J	W7DPV	BANKS	OR	SEASIDE	
06/06/2000	30429	CROSS, RICHARD L	WA7GFS	SCAPPOOSE	OR	SEASIDE	
06/06/2000	30430	DECKER, BOB	K2ORA	DUVALL	WA	SEASIDE	
06/06/2000	30431	DUKE, DENNIS	W7WHO	CLACKAMAS	OR	SEASIDE	
06/06/2000	30432	LOFTIS, FLOYD A	K7POS	TROUTDALE	OR	SEASIDE	
06/06/2000	30433	MARTEK, GARY A	W7DO	EDGEWOOD	WA	SEASIDE	
06/06/2000	30434	MICHAUD, JOSEPH L	N7HA	PORTLAND	OR	SEASIDE	
06/06/2000	30435	PACKARD, MICHAEL D	KE7VV	TUALATIN	OR	DAVID PACKARD	W7MNS
06/06/2000	30436	VON HAGEL, FRITZ	W7EBQ	LAKE STEVENS	WA	SEASIDE	
06/06/2000	30437	WESTOVER, PHIL	WA7URV	TIGARD	OR	SEASIDE	
06/06/2000	30438	SAUNDERS, WILLIAM M	AL7PB	ANCHORAGE	AK	JIMMIE J TVRDY	KL7CDG
06/07/2000	30439	BOYD, JAMES E	K7MKN	TUALATIN	OR	-	-
06/07/2000	30440	PYLE, ERNEST W JR	WA7VPW	BOISE	ID	REX GREEN	K70LJ
06/07/2000	30441	PARENT, LEO L	KT4NE	PORT RICHEY	FL	-	-
06/08/2000	30442	AARON, JAMES RUDICAL	K5SUB	ORANGE	TX	JACK GAGE	W5ICL
06/08/2000	30443	WISE, KEVIN C	AI4X	VILLA RICA	GA	-	-
06/09/2000	30444	SLOATE, ROBERT A	W7BMI	BILLINGS	MT	-	-
06/09/2000	30445	WIECHMAN, LOIS	WN0DEP	SALINAS	KS	ALVIN W WIECHMAN	WA0YXK
06/12/2000	30446	BAYCAR, RAYMOND E	N2RB	QUEENS VILLAGE	NY	MARTIN SMALL	NB2Z
06/12/2000	30447	BLODEAU, WAYNE L	WA8UOY	MENTOR	OH	-	-
06/12/2000	30448	KIMBALL, RICHARD G	WA9MME	MENOMONEE FALLS	WI	JOHN H HUGHES	W9ULA
06/12/2000	30449	LUCAS, ANDREW B	K4GAW	HAMPTON	VA	-	-
06/12/2000	30450	DAY, CHARLES JEFFREY	WA5EKH	MESQUITE	TX	DALLAS HAMCOM	
06/12/2000	30451	GREEN, V KAY	WB5NBU	RUSSELLVILLE	AR	DALLAS HAMCOM	

New Members/Silent Keys

06/12/2000	30452	SMITH, J C	N5RXS	LITTLE ROCK	AR	DALLAS HAMCOM	
06/13/2000	30453	FORMET, DAVID A	KD5JWC	DALLAS	TX	DALLAS HAMCOM	
06/13/2000	30454	HOLLOMAN, JOHN DAVID	WB5MQZ	FARMERS BRANCH	TX	JACK DYE	W5LUE
06/13/2000	30455	HUEPERS, AUGUST E	K5HAD	ALVIN	TX	DALLAS HAMCOM	
06/13/2000	30456	MASON, BILL	W5STP	OZONA	TX	JOHN KING	K5CDV
06/13/2000	30457	O'DELL, STEWART	K5VHH	HUNTSVILLE	TX	GENE NAILON	K5DLE
06/13/2000	30458	SWAN, HARRIS W	K5MWC	PLANO	TX	JOHN KING	K5CDV
06/13/2000	30459	O'KEEFE, THOMAS W	WA1BFO	N VASSALBORO	ME	-	-
06/15/2000	30460	STONE, GEORGE CLIFFORD	W9KSD	STORM LAKE	IA	-	-
06/16/2000	30461	DOBSON, WILLIAM A III	N3WD	REISTERSTOWN	MD	JIM MOZLEY	W2BCH
06/16/2000	30462	HAUENSTEIN, KEN	AA2OU	WATERLOO	NY	DONN R NOTTAGE	W8JGP
06/16/2000	30463	HENNINGER, JOHN W	WA2VHX	NORTH ROSE	NY	DONN R NOTTAGE	W8JGP
06/16/2000	30464	MINTON, RICHARD	N9AZZ	WEST FRANKFORT	IL	JIM MOZLEY	W2BCH
06/19/2000	30465	HANEY, THOMAS A	WA4JTR	JASPER	GA	-	-
06/20/2000	30466	CAUGHEY, JACK O	KO4TG	VERO BEACH	FL	JOYCE ANDERSON	K4EER
06/20/2000	30467	CAUVEL, JOHN R	WA1OJX	ALABERTVILLE	GA	-	-
06/21/2000	30468	GRAVES, THOMAS A	W4PDW	ANNANDALE	VA	-	-
06/22/2000	30469	CHANDLER, EDWARD	W4NEO	LARGO	FL	WILLIAM A BELL	K4AVH
06/27/2000	30470	GLASURE, ROBERT T	AF4WV	FREEPORT	FL	C L HALLMARK JR	W5ZWM
06/27/2000	30471	MICHINORI, JIMBO	JE1TTI	JAPAN	-	-	-
06/27/2000	30472	SMITH, HARRY B	W6RNG	SOULSBYVILLE	CA	-	-
06/27/2000	30473	HACK, ALAN	W5UO	LOS ALAMOS	NM	-	-
06/27/2000	30474	HARTLEY, JACK	K4WSB	TAMPA	FL	-	-
06/29/2000	30475	HAM, ALLEN L	N9VHA	WATERMAN	IL	GARY E DOLDER	N9DCQ
06/29/2000	30476	MC CABAE, ROBERT W	KC2DSS	VESTAL	NY	WILLIAM B MC CABE	W2ZHZ
06/29/2000	30477	WINTERS, R STEVE	WB4BMM	OCEAN SPRINGS	MS	-	-

Correction

In the Summer Journal, page 51, listing the new members. There is a Error in the call of member # 30314, Roy Young. His call is KJ4YF. We regret the error.



Silent Keys

With sadness we record the passing of these members

NAME	CALL	MEMNUM	L	SK	CITY	ST/PROV
SMITH, OTIS C	W0BFN	19580		2000	HEMINGFORD	NE
LEE, WILLIAM B	KD0IL	28852		2000	ST LOUIS	MO
HOWARD, GEORGE A	W0QOB	25775		2000	LITTLETON	CO
DEVLIN, JOSEPH J	K1BXG	24113		2000	CHESTER	VT
CARD, M ARTHUR M JR	W1CUH	17807		2000	SHELTON	CT
BENEDICT, GERALD W	W1NDL	21611		2000	WHITE RIVER JUNCTION	VT
YOUNG, TISHA L	W1NUO	06577		2000	EL PASO	TX
DUDA, JOHN J	W1RIM	25327		2000	EDINBORO	PA
LITUCHY, NOEL J	W2BAV	12765		2000	NEW ROCHELLE	NY
FELSENHELD, ROBERT A	W2BCC	00464	*	2000	LIVINGSTON	NJ
PETERSEN, P B	W2DME	05212		2000	ATLANTIC HIGHLANDS	NJ
LYNT, EDWARD L	WA2GFH	30050		2000	MINEOLA	NY
SAPERSTEIN, JACK	W2IMM	22172		2000	COLONIA	NJ
JONES, NORMAN E JR	KD2KK	30222		2000	BUFFALO	NY
KURSCHNER, JOHN L	W2OBN	19923		2000	TOMS RIVER	NJ
KENNEDY, DAVE	K2VPW	26867		2000	LITTLE SILVER	NJ
SWIENCICKI, MARY B	K2VVT	23820		2000	PARSIPPANY	NJ
FELT, CARL A JR	N2XJ	11643	*	2000	CHATHAM	NJ

Silent Keys

CALLAHAN, RITA F	K3AES	15998	* 2000	WEST SPRINGFIELD	PA
ROBINSON, KEN	VE3GIR	25517		2000 KEMPTVILLE	ON
IZZO, JOHN P	W3JIE	26954		2000 FAUETTEVILLE	PA
KENSINGER, JAMES C	W3MJO	16534	* 2000	DYSART	PA
REIFENSTEIN, GEORGE H	W3ML	08197	* 1999	AUKE BAY	AK
STINGER, WILLIAM C	W3TBS	15795	* 1999	PHILADELPHIA	PA
SNYDER, MILTON L	W4AWLK	19865		2000 CHANTILLY	VA
ROGERS, CLARK L	K4BGN	11431	* 2000	CHARLESTON	SC
COLE, HARRY A	W4DLL	06973		2000 CLEARWATER	FL
PLAGE, WILLIAM R	W4DQT	06039		2000 ATLANATA	GA
JACKSON, EWELL H	W4IEB	13415		2000 MARTINEZ	GA
NEIDIG, KENNETH E	K4IPG	10923		1999 MORRISTOWN	TN
GARRETT, LEWIS C	W4LEN	28409		2000 DURHAM	NC
FREEDMAN, MONROE M	W4MGL	00256	* 2000	PLANTATION	FL
HEXAMER, HOMER L	AB4O	22935		2000 UMATILLA	FL
DUNLAP, FLOYD HQUIT	W4OMG	13824	* 2000	ST LOUIS	MO
CASTLES, RUFUS A JR	W4SZG	14005		2000 RION	SC
FELBERT, GUENTER V	DK4TA	27215	* 2000	GERMANY	
LONG, EBERT M III	WB4WEI	21579		2000 VENICE	FL
RUSK, MAFSHALL M	W5AGE	13037		2000 WICHITA FALLS	TX
BURCH, ERNEST C	W5CAE	13662		2000 SAN ANTONIO	TX
KALLEMA, KARL	ES5D	03824		1999 TARTU, ESTONIA	
EDLUND, ROBERT W	W5DS	07397		2000 CRESCENT	OK
HORN, S R	W5IB	02785		2000 HOUSTON	TX
STEWART, RODNEY D	K5IBF	30372		2000 OKLAHOMA CITY	OK
APPEL, IRVING M	K5PIA	28981		2000 OKLAHOMA CITY	OK
TUCKER, ALLISON C SR	WA5RIX	27595		2000 DALLAS	TX
FERGUSON, DAVID A	K5SXJ	29329		2000 MC LOUD	OK
AMANN, LAWRENCE F	K5TQN	10854		2000 DENVER	CO
LATHROP, JENNIE P	W5YSJ	10290		2000 ALBUQUERQUE	NM
WHELAN, ARTHUR J III	WA6FDI	30373		2000 PASADENA	CA
LAUGHLIN, ROBERT D	K6HVN	16973	* 2000	SALEM	OR
PATTERSON, WILLIAM G	W6JUS	23426		2000 SANTA ROSA	CA
HERITAGE, PAUL W	W7AFZ	02186	* 2000	TURNER	OR
LORENZEN, HOWARD OQUIT	W7BI	01414	* 2000	BELLEVUE	WA
COLEMAN, CHARLES T	KL7CMQ	18726	* 2000	ANCHORAGE	AK
MANNING, WALTER J	W7ERA	22449		2000 MILWAUKIE	OR
BERESFORD, A C	VE7EV	10737		2000 N VANCOUVER	BC
LARSEN, LELAND J	K7GE	04372		2000 VANCOUVER	WA
MILLER, K L	VE7YB	10768		2000 NEW WESTMINSTER	BC
ALLEN, JOHN H	W7YR	09044		2000 SUN CITY	AZ
YEAGER, CARL J	W8DWT	01236	* 2000	MIAMISBURG	OH
STUEWER, MERLIN F	W8FWQ	02707		2000 PORT HURON	MI
PRESTED, EDWARD	W8IAC	06609	* 2000	FOLEY	AL
GRANT, RICHARD C	W8IEU	13874		2000 KETTERING	OH
HILLIER, ROY	W8NOF	17005		2000 SARASOTA	FL
KNECHTLY, TIMOTHY K	N8TK	30371		2000 COLUMBUS	OH
GUTHRIE, WINFORD P	K8TSO	28778		1999 TUSTIN	MI
CRAWFORD, LOVELL B	W9BYZ	01916	* 2000	CHICAGO	IL
STANTON, JUNE M	N9CHD	17919	* 1999	GRIFFITH	ID
HRYCEJ, JOSEPH E	W9CPS	13319		2000 CHICAGO	IL
KENNEDY, ROBERT L	K9DXB	29925		2000 MEROM	IN
KEIL, GERHARD	DL9JB	16548	* 2000	GERMANY	
SILVER, SHELDON B	WA9NGR	23474		2000 ROCKFORD	IL
KOMISTRA, WILLIAM J	W9OVZ	20539		2000 RACINE	

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WANTED: Narrow based Vibroplex bug (3 inches or less) grey or black. McElroy bug. Signal magazines. KN9VKY QSL. Brian Roberts, K9VKY, 130 Tara Dr., Fombell, PA 16123. (724) 758-2688. k9vky@stargate.net

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WANTED: QSTs before 1936 for personal collection. Have complete years 1936 and on for sale/trade. Gary Yantis WØTM, 7702 Mize Road, Shawnee, KS 66227. 913-441-6593. gary@w0tm.com

WANTED: ARRL Handbooks before 1940 and various years to 1999 for personal collection. What do you have? Have some extras for sale/trade. Gary Yantis WØTM, 7702 Mize Road, Shawnee, KS 66227. 913-441-6593. gary@w0tm.com

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